

# FACULTY OF SCIENCE

## First-Year Bachelor of Science (BSc) Course Planning Worksheet

2021-2022 Academic Year

The guide below can be used to assist you with your first-year course selection. Use the table below, the [academic timetable](#) and the schedule worksheet to build your schedule. It is recommended you schedule your required courses first, and then choose electives based on your interests and future goals. The Course Planning Worksheet is meant as a reflective tool to help you plan out your courses. It does not include all possible options. For complete program requirements, see the Dalhousie Academic Calendar at [www.dal.ca/calendar](http://www.dal.ca/calendar) or ask your advisor.

### RECOMMENDED FIRST-YEAR COURSES, BY INTENDED MAJOR

#### ACTUARIAL SCIENCE (ACSC)

- MATH 1000 & 1010
- STAT 1060
- MATH 1030
- ECON 1101 & 1102
- WRITING REQUIREMENT
- ELECTIVES

#### BIOCHEMISTRY & MOLECULAR BIOLOGY (BIOC)

- BIOL 1010 & 1011\*
- CHEM 1011 & 1012
- MATH 1000 **or** 1215
- MATH 1010 **or** STAT 1060
- WRITING REQUIREMENT
- ELECTIVES

#### BIOLOGY (BIOL)

- BIOL 1010 (or 1020)
- BIOL 1011 (or 1021)
- CHEM 1011 & 1012
- STAT 1060
- **One of:** MATH 1215, 1000, 1030, **or** 2000-level STAT
- WRITING REQUIREMENT
- ELECTIVES

#### CHEMISTRY (CHEM)

- CHEM 1011 & 1012
- PHYC 1190 & 1290, or 1310 & 1320
- MATH 1000 & 1010
- WRITING REQUIREMENT
- ELECTIVES

#### EARTH SCIENCE/GEOLOGY (ERTH)

- ERTH 1080 & 1090 (or 1091)
- CHEM 1011 & 1012
- MATH 1000 (recommended **or** 1215)
- MATH 1010 **or** 1030 **or** STAT 1060
- PHYC 1190 & 1290 (recommended)
- WRITING REQUIREMENT

#### ECONOMICS (ECON)

- ECON 1101 & 1102
- MATH 1000 & 1010
- MATH 1030
- STAT 1060 **or** 2060
- WRITING REQUIREMENT
- ELECTIVES (BA requirements differ)

#### ENVIRONMENTAL SCIENCE (ENVS)

- ENVS 1100 & 1200
- BIOL 1010 (or 1020)
- MATH 1215 (**or** 1000)
- STAT 1060
- CHEM 1011 & 1012
- ERTH 1080
- WRITING REQUIREMENT

#### MARINE BIOLOGY (MARI)

- BIOL 1010 (or 1020)
- BIOL 1011 (or 1021)
- CHEM 1011 & 1012
- MATH 1215 **or** 1000 **or** 1030
- STAT 1060
- WRITING REQUIREMENT
- ELECTIVES

#### MATHEMATICS (MATH)

- MATH 1000 & 1010
- MATH 1030
- MATH 2110 (recommended)
- WRITING REQUIREMENT
- ELECTIVES

#### MICROBIOLOGY/IMMUNOLOGY (MICI)

- BIOL 1010 & 1011\*
- CHEM 1011 & 1012
- MATH 1000 **or** 1215
- MATH 1010 **or** STAT 1060
- WRITING REQUIREMENT
- ELECTIVES

#### NEUROSCIENCE (NESC)

- PSYO 1011 & 1012\*\*
- BIOL 1010 & 1011\*
- CHEM 1011 & 1012
- MATH 1215 and STAT 1060
- WRITING REQUIREMENT

#### OCEAN SCIENCES (OCEA)

- PHYC 1190 & 1290 **or** 1310 & 1320
- MATH 1000 & 1010
- STAT 1060
- **Pick 2 of:**  
CHEM 1011 & 1012, **or**  
BIOL 1010 & 1011, **or**  
ERTH 1080 & 1090
- WRITING OR ELECTIVE COURSE

#### PHYSICS AND ATMOS. SCIENCE (PHYC)

- PHYC 1190 & 1290\*\*\*
- CHEM 1011 & 1012
- MATH 1000 & 1010
- MATH 1030
- WRITING REQUIREMENT
- ELECTIVES

#### PSYCHOLOGY (PSYO)

- PSYO 1011 & 1012\*\*
- STAT 1060 & STAT 2080, **or**  
MATH 1215 & STAT 1060
- WRITING REQUIREMENT
- ELECTIVES

#### STATISTICS (STAT)

- MATH 1000 & 1010
- STAT 1060 & 2080
- MATH 1030
- WRITING REQUIREMENT
- ELECTIVES

\***OR** BIOL 1020 & BIOL 1021    \*\***OR** PSYO 1031 & PSYO 1032    \*\*\***OR** PHYC 1310 and 1320

**TIP:** First year BSc students may take a maximum of 30 credit hours over Fall and Winter - this is usually 5 courses each term. Students may choose to register in fewer courses, depending on anticipated academic workload and other commitments (but please check **any scholarship or student loan conditions**).



[dal.ca/newstudents](http://dal.ca/newstudents)

BISSETT STUDENT  
SUCCESS CENTRE

## SCIENCE SUBJECTS

Biochemistry, Biology, Chemistry, Earth Sciences, Economics, Environmental Science, Marine Biology, Mathematics, Microbiology, Neuroscience, Oceanography, Physics, Psychology, Science, Statistics

## CHOOSE A WRITING COURSE

**BSc students must take an approved writing course.** We recommend that most students take writing in first year. Students for whom English is a second language may wish to defer their writing course until second year. BSc students may fulfill the writing requirement by choosing 6 credit hours in the same subject from the **list below** or by taking **Science 1111.03**.

### SCIENCE:

- **Oceanography:** OCEA 1001.03 and OCEA 1002.03
- **Science:** SCIE 1111.03

### SOCIAL SCIENCES:

- **History:** HIST 1510.06 (single term); or 1022.03 and 1023.03
- **Political Science:** POLI 1001.03 and 1002.03
- **Sustainability:** SUST 1000.06 (single term)

### OTHER:

- **Journalism:** JOUR 1002.03 and 1003.03

### HUMANITIES:

- **English:** ENGL 1030.06 (single term); **OR any 2 of:** ENGL 1005.03, 1015.03, 1025.03, 1040.03, 1050.03, 1100.03
- **Creative Writing:** CRWR 1030.06 (single term)
- **German:** GERM 1026.03 and 1027.03
- **History:** HIST 1510.06 (single term); or 1022.03 and 1023.03
- **Performance:** PERF 1000.03 and 1 of 1001.03 or 1002.03
- **Philosophy:** PHIL1810.03 and 1820.03
- **Russian Studies:** RUSN 1020.03 and 1070.03

## CHOOSE YOUR MATH COURSES

Before graduation, BSc students must complete **6 credit hours of approved MATH or STAT courses**. First year recommendations for students considering the following programs:

- **MATH 1000** Actuarial Science, Biochemistry, Chemistry, Earth Sciences, Economics, Ocean Sciences, Mathematics, Statistics
- **MATH 1010** Actuarial Science, Chemistry, Earth Sciences, Economics, Ocean Sciences, Mathematics, Statistics
- **MATH 1215** Biology, Environmental Science, Marine Biology, Microbiology, Neuroscience, Psychology
- **MATH 1030** Actuarial Science, Economics, Mathematics, Physics, Statistics
- **STAT 1060** Actuarial Science, Biology, Economics, Environmental Science, Marine Biology, Neuroscience, Psychology

## CHOOSE YOUR ELECTIVES

Before graduation BSc students must complete **6 credit hours from each of the Social Sciences and Language/Humanities Subject Groupings** below. It is recommended that some of these credit hours be taken in first year. (*Your writing course may fulfill one of these Subject Groupings requirements.*)

### SOCIAL SCIENCES Subject Grouping for BSc

Economics, Psychology, Canadian Studies, Contemporary Studies, Early Modern Studies, European Studies, Gender & Women's Studies, History, History of Science and Technology, International Development Studies; Law, Justice & Society; Political Science, Sociology & Social Anthropology, Sustainability

### LANGUAGE/HUMANITIES Subject Grouping for BSc

Arabic, Canadian Studies, Chinese (Mandarin), Classics, Contemporary Studies, Creative Writing, Early Modern Studies, English, European Studies, Film Studies, French, Gender & Women's Studies, German, History, History of Science and Technology, Italian, Music, Performance, Philosophy, Religious Studies, Russian, Spanish, Theatre.

## JOIN a FIRST-YEAR INTEREST GROUP - FIGS

A First-Year Interest Group, or FIG, is a great opportunity to meet other first-year students with similar interests or goals. Led by senior students, each group will meet once a week during the fall term to explore interests, build connections, and learn tips for success at university! Visit [www.dal.ca/figs](http://www.dal.ca/figs) for information about what FIGS are being offered or ask your Advisor for details.

My First Year Course Selection	Fall	Winter
Science subject:		
Science subject:		
Math/Statistics:		
Writing courses:		
Other Science courses or Electives:		
FIGS		



[dal.ca/newstudents](http://dal.ca/newstudents)

BISSETT STUDENT  
SUCCESS CENTRE