Welcome to the Faculty of Engineering - Students beginning January 2023

Thank you for choosing to pursue your engineering studies at Dalhousie University. To ensure you have a smooth start to your experience here, your advisors have prepared this guide for you.

While you are in the Core Engineering Program your advising team consists of:
First Year- Student Success Advisors, Bissett Center, 4th Floor SUB, Studley Campus, email: advising@dal.ca
Core Program Advisor: Jason S. LeCoure, email: engineering@dal.ca
Student Engagement: Karyn Hemsworth, email: engineering@dal.ca

Placement in an Engineering Discipline
All students are initially admitted to the Core Engineering Program (you may sometimes hear this referred to as the Diploma program or Lower Division). While completing their first-year courses, students submit an application for a “placement” or conditional admission for a third-year program (e.g. Electrical, Chemical, Industrial Engineering) that they will be admitted to upon completion of their Diploma requirements. When to apply for Discipline Placement is noted under each registration option provided below. To be eligible to be placed, a student must have completed 7 program courses and have an Engineering Grade Point Average (EGPA) >= 2.00 (note: an exception is being made for students following Registration Option 3 below, they may apply for placement with 5.5 (16.5 credit hours) completed, GPA requirement applies). To be guaranteed their first choice, students must must have an EGPA >= 3.50.

To be admitted to their Year 3 program students will need to complete all required Lower Division courses and have an EGPA >= 2.00 prior to the Fall term for which they have a placement. No student will be admitted to their Year 3 program with a course deficiency. No exceptions will be made to the course or GPA requirements for Year 3 Admission.

Cooperative Education Option (Co-op)
To be eligible for the Co-op Option for their Bachelor of Engineering students must complete all Lower Division requirements with a minimum GPA of 2.30. Students must also complete the Co-op Orientation course 2 terms prior to the projected start of their first co-op work-term. For students who earn a placement in Chemical Engineering or Mechanical Engineering they will take ENGI 8890 in the Winter term prior to the start of their Year 3 program. For students with placements in other disciplines they will complete ENGI 8890 in the summer immediately prior to the start of their Year 3 program in the fall (Electrical or Environmental) or in the first Fall study term of their Year 3 program (Civil or Environmental Engineering).

Complete details on this process can be found on the Science, Information Technology, Engineering Co-operative Education website: https://www.dal.ca/faculty/site.html.

Course Selection and Program Requirements

To help you with scheduling your studies in the future the following three course plans (Option 1, Option 2 and Option 3) are provided for your reference. Option 1 and Option 2 are recommended.

Option 1: Faculty Recommended course plan for the core-program (1000- and 2000-level courses) for students starting Engineering in January 2023

What follows is our recommended course load for students starting their program in the Winter 2023 term. This course load allows students to follow the traditional Fall/Winter program while allowing students to build their academic skills during their first three study terms before engaging in a full 18 credit hour term in study terms 4 and 5. If you are new to University level studies we strongly encourage you to follow either Option 1 or Option 2 below.

Information on Registering for courses: Please see https://www.dal.ca/campus_life/academic-support/register-for-courses/register.html
<table>
<thead>
<tr>
<th>Term 1: Winter 2023</th>
<th>Term 2: Fall 2023</th>
<th>Term 3: Winter 2024</th>
<th>Term 4: Fall 2024</th>
<th>Term 5: Winter 2025</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGM 1041</td>
<td>CHEM 1021</td>
<td>CHEM 1022</td>
<td>IENG 2005</td>
<td>ENGI 2203</td>
</tr>
<tr>
<td>MATH 1280 (CRNs 21582 &amp; 21583)</td>
<td>CPST 1103</td>
<td>MATH 1290</td>
<td>ENGM 2101</td>
<td>ENGM 2022</td>
</tr>
<tr>
<td>PHYC 1290</td>
<td>ENGI 1103</td>
<td>ENGI 1203</td>
<td>ENGM 2032</td>
<td>HIST 1971</td>
</tr>
<tr>
<td>ENGM 1081</td>
<td>PHYC 1190</td>
<td>CPST 1203</td>
<td>ECED 2000</td>
<td>Discipline Requirement 1</td>
</tr>
<tr>
<td>12 Credit Hours</td>
<td>10.5 Credit Hours</td>
<td>10.5 Credit Hours</td>
<td>ENGI 2102</td>
<td>Discipline Requirement 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*Students Apply for Discipline for Fall 2025 prior to April 30</td>
<td>Writing 1</td>
<td>Discipline Requirement 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>18 Credit Hours</td>
<td>18 Credit Hours</td>
</tr>
<tr>
<td>Option 2: Optional Course Plan w/ reduced course load</td>
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</tbody>
</table>

Students who wish to pursue a reduced course load of the duration of their Lower Division studies may follow the option below.

<table>
<thead>
<tr>
<th>Term 1: Winter 2023</th>
<th>Term 2: Summer 2023</th>
<th>Term 3: Fall 2023</th>
<th>Term 4: Winter 2024</th>
<th>Term 5: Fall 2024</th>
<th>Term 6: Winter 2025</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1280 (CRNs 21582 &amp; 21583)</td>
<td>CHEM 1021</td>
<td>CHEM 1103</td>
<td>ENGI 1203</td>
<td>IENG 2005</td>
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<td>CPST 1203</td>
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<tr>
<td>PHYC 1290</td>
<td>MATH 1290</td>
<td>ENGI 1103</td>
<td>HIST 1971</td>
<td>ENGM 2032</td>
<td>Discipline Requirement 1</td>
</tr>
<tr>
<td>ENGM 1081</td>
<td>ENGI 1203</td>
<td>CPST 1190</td>
<td>ENGM 2022</td>
<td>ECED 2000</td>
<td>Discipline Requirement 2</td>
</tr>
<tr>
<td>Writing 1</td>
<td>CPST 1203</td>
<td>ENGM 1081</td>
<td>10.5 Credit Hours</td>
<td>ENGI 2102</td>
<td>Discipline Requirement 3</td>
</tr>
<tr>
<td>9 Credit Hours</td>
<td>9 Credit Hours</td>
<td>13.5 Credit Hours</td>
<td>*Students Apply for Discipline for Fall 2025 prior to April 30</td>
<td>15 Credit Hours</td>
<td>12 Credit Hours</td>
</tr>
</tbody>
</table>
Option 3 – Full course load with 4 study terms

For students seeking to accelerate their program there is an option to complete all first and second year courses prior to the start of the Fall 2024 term. This option requires students to participate in 4 consecutive full-load study terms (Winter 2023, Summer 2023, Fall 2023 and Winter 2024). If you are not able to commit to a full term of study over the entire summer (May 2023 – August 2023) please do not follow this option. Failing to complete classes successfully on the first attempt while following this Option will likely result in a delay of admission to year 3 (to Fall 2025).

Students following this option should apply for a Fall 2024 placement prior to April 30, 2023 at https://go.engineering.dal.ca/dc.

Students pursuing this option should register using Block Registration and register using one of the following three Winter Start Registration blocks. Information on how to register using Block registration is available here: Block registration - Academic Support - Dalhousie University

Winter Start 1st Yr Engi Grp01
Winter Start 1st Yr Engi Grp02
Winter Start 1st Yr Engi Grp03

Successfully registering for one of these blocks will register students for the following courses in the Winter 2023 term:
- CPST 1203 Technical Communications II
- ENGI 1203 Statics
- ENGM 1041 Linear Algebra
- ENGM 1081 Computer Programming
- MATH 1280 Engineering Math I
- PHYC 1290 Introduction to Physics (II)
- 16.5 Credit Hours

(You must check your registration and ensure all courses have been added successfully. If a registration block is full, register for a different registration block.)

Students following this Option must then register for the Following courses in the Summer 2023 term when Summer registration opens in February:

<table>
<thead>
<tr>
<th>Summer 2023 term</th>
<th>Term 1: Winter 2023</th>
<th>Term 2: Summer 2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer A (May/June)</td>
<td>CPST 1203</td>
<td>CPST 1103</td>
</tr>
<tr>
<td></td>
<td>ENGI 1203</td>
<td>ENGI 1103</td>
</tr>
<tr>
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<tr>
<td></td>
<td>PHYC 1290</td>
<td>PHYC 1190</td>
</tr>
<tr>
<td></td>
<td>16.5 Credit Hours</td>
<td>16.5 Credit Hours</td>
</tr>
</tbody>
</table>

*Students Apply for Discipline for Fall 2024 prior to April 30

**Warning:** If you follow this Option (Option 3) in the Winter 2023 term but do not follow through and complete all Summer 2023 classes, you will have limited courses to choose from when selecting courses in the Fall 2023 and Winter 2024 terms due to missing prerequisites.

<table>
<thead>
<tr>
<th>Term 3: Fall 2023</th>
<th>Term 4: Winter 2024</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED 2000</td>
<td>ENGI 2203</td>
</tr>
<tr>
<td>ENGI 2102</td>
<td>HIST 1971</td>
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<tr>
<td>IENG 2005</td>
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<td>Writing 1</td>
<td>Discipline Requirement 3</td>
</tr>
<tr>
<td>18 Credit Hours</td>
<td>18 Credit Hours</td>
</tr>
</tbody>
</table>

**Term 3: Fall 2023**
- ECED 2000
- ENGI 2102
- ENGM 2032
- ENGM 2101
- IENG 2005
- Writing 1
- 18 Credit Hours

**Term 4: Winter 2024**
- ENGI 2203
- HIST 1971
- ENGM 2022
- Discipline Requirement 1
- Discipline Requirement 2
- Discipline Requirement 3
- 18 Credit Hours
Notes:
1. Students who have received Transfer credit for MATH 1000 & MATH 1010 have satisfied the requirements for MATH 1280 Engineering Math 1. Such students can register for MATH 1290 in the Winter 2023 term in lieu of MATH 1280.
2. Other common transfer credits include CHEM 1011 & CHEM 1012 (equivalent to CHEM 1021 & CHEM 1022 respectively) or PHYC 1190 (aka 1280) & PHYC 1290.
3. Students who have received transfer credits should consult with Jason LeCoure (engineering@dal.ca) if they have questions regarding course selection.

Important Resources and Contacts:

Faculty of Engineering
First Year Engineering Advising
Bissett Center, 4TH Floor SUB
advising@dal.ca
Second Year Engineering Advising
Jason LeCoure, USO
engineering@dal.ca

Director of the Core Engineering Program (Years 1 and 2)
Dr. George Jarjoura, P.Eng.
Office location: Dunn Building, Room 332
George.Jarjoura@dal.ca

Undergraduate Studies Office: 5217 Morris Street, O’Brien Hall 302
Appointments:
enGINEERING@dal.ca

Dr. Tim Little, P.Eng., Associate Dean of Engineering, Undergraduate Studies
timothy.little@dal.ca
Dr. Scott Bishop, P.Eng, Assistant Dean of Students
scottbishop@dal.ca
Karyn Hemsworth, MPA, Engineering Student Engagement Coordinator
Karyn.Hemsworth@dal.ca

Dean's Office: O'Brien Hall, 4th Floor
Appointments: 902-494-3267
Dr. John Newhook, P.Eng., Dean of Engineering
john.newhook@dal.ca

Websites:
Engineering: http://engineering.dal.ca
Undergraduate Studies: https://www.dal.ca/faculty/engineering/u-s-o.html

Not sure who to contact? Email:
enGINEERING@dal.ca

Dalhousie Supports & Services:
Academic and study skills supports via www.dal.ca/ontrack and www.dal.ca/sfs.

Students seeking academic accommodations for disabilities must make an application through the Student Accessibility Centre at https://www.dal.ca/campus_life/academic-support/accessibility.html well in advance of their need for accommodations.

Financial: Student Financial Services: Student.Accounts@dal.ca 902-494-2302 http://www.dal.ca/dept/financial-services.html


Human Rights and Equity Services: hres@dal.ca 902-494-6672 https://www.dal.ca/dept/hres.html

Careers: https://www.dal.ca/campus_life/career-and-leadership.html 902-494-3537

International Centre: https://www.dal.ca/campus_life/international-centre.html 902-494-1566 internationalcentre@dal.ca

Other Student Services: https://www.dal.ca/campus_life.html