FACULTY OF ENGINEERING

First-Year Bachelor of Engineering (BEng) First Year Registration Guide
2024-2025 Academic Year

Congratulations and welcome to Dal!

The first year of study is the same for all engineering students. The table below lists all the courses you will take in your first year. Course registration for Engineers must be completed using Block Registration. There are 8-predetermined scheduling blocks, or course groups, to choose from. Each block contains the same courses and provides you with a complete and conflict-free schedule that meets all first-year program requirements.

You will select a block for each of the fall and winter terms to register for all your courses. All lectures, tutorials and labs will automatically fit together. All students within a block take labs and tutorials together; this makes it easier to meet people and find a study group. Once you have registered for one block in the fall and one for the winter, your first-year registration is done! You do not need to add anything further! Registration blocks can be previewed during the registration process.

Note: If you run into a registration error due to a lab or tutorial section being full, drop everything and select a different block. Make sure to **review your registration** and ensure all courses and sections have been added.

Students are required to have access to a laptop computer. Our recommendations for students purchasing a laptop are as follows:

Minimum Required	Recommended
- Processor (CPU): Intel Core i5 (12th gen) or AMD Ryzen 5 (5000 series) [4 cores] - Memory (RAM): 16GB - Storage disk: 256GB SSD - Operating system: Windows 10/11	Here are the **recommended** specs, where budget permits: - Processor (CPU): Intel Core i5 (14th gen) or AMD Ryzen 5/7 (7000 series) [6 or 8 cores] - Memory (RAM): 24GB - Storage disk: 512GB SSD - Operating system: Windows 11
*Note about Macs: Apple computers have limited to no support for Windows and/or software used in our engineering programs. The university does not provide virtualization software for your personal macOS computer.	

It is possible to take a reduced course load and take an additional year to complete your Year 1 and 2 requirements. Please consult with an advisor at advising@dal.ca or engineering@dal.ca for guidance.
If you have any questions, please contact advising@dal.ca or the faculty: engineering@dal.ca

Standard courseload for Full time students in Year 1 is on the next page!

Fall	Winter
Chemistry (CHEM) 1021: Engineering Chemistry I Lecture and Lab	**Chemistry (CHEM) 1022:** Engineering Chemistry II Lecture and Lab
Mathematics (MATH) 1280: Engineering Math I Lecture and Tutorial	**Mathematics (MATH) 1290:** Engineering Math II Lecture and Tutorial
Engineering (ENGI) 1103: Engineering Design I Lecture and Lab	**Engineering Mechanics I (ENGI) 1203:** Statics Lecture, Lab and Tutorial
Physics (PHYC) 1190: Physics I Lecture, Lab and online tutorial	**Physics (PHYC) 1290:** Physics II Lecture, Lab and online tutorial
Engineering Mathematics (ENGM) 1081: Computer Programming Lecture and Lab	**Engineering Mathematics (ENGM) 1041:** Applied Linear Algebra Lecture and Tutorial
Complementary Studies (CPST) 1103: Technical Communications I Lecture and Tutorial	**Complementary Studies (CPST) 1203:** Technical Communications II Lecture and Tutorial