

Welcome to Carleton Engineering!

Fall 2026 ECOR 1055

First Year Support Team

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Today's Topics

[Click to jump to topics](#)

- Professional Engineers
- Carleton Engineering
- First Year Courses
- Engineering Academic Regulations
- High School vs University
- Navigating First Year
- Student Support Services for Engineering Students
- Getting Involved

Professional Engineers

What is a Professional Engineer?

[1] The practice of professional engineering is defined in Section 1 of the [Professional Engineers Act](#). Professional engineering is:

- Any act of planning, designing, composing, evaluating, advising, reporting, directing or supervising (or the managing of any such act);
- That requires the application of engineering principles; and
- Concerns the safeguarding of life, health, property, economic interests, the public welfare or the environment, or the managing of any such act.
- If what you do meets all three of these tests, then you are practicing professional engineering and must be licensed.

Engineering Profession

Due to the significant impacts of engineering work, the profession is heavily regulated to ensure the safety and development of engineers and civilians.

In Ontario, groups like the **Ontario Society of Professional Engineers** help advocate for active engineers and new engineering graduates. They provide resources to help you grow your network, provide legal consultations, stay connected in an ever-evolving field, and provide professional development resources.



**ONTARIO SOCIETY OF
PROFESSIONAL ENGINEERS**

Engineering Profession

The **Professional Engineers Ontario** regulates the practice of professional engineers. They establish, maintain and develop standards of knowledge, skills and practice for the profession, and in addition to the upkeep of professional ethics.

PEO is also where you will apply to be a P.ENG, and where you will start your E.I.T, Engineering Intern program.



Professional Engineers
Ontario

Did You Know? The Iron Ring

All Canadian trained engineers wear a pinky ring on their dominant hand as symbol and reminder of the obligations and ethics associated with their profession.

You will be hearing a lot about the iron ring and see that a lot of your professors wearing it as well.

Receiving your ring is a defining moment of your engineering academic career, and proof of your accomplishments in completing your engineering degree.



Carleton Engineering

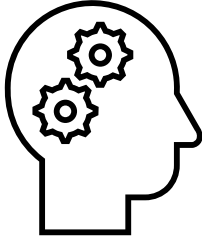
Engineering Academic Support Office

To help you navigate your engineering studies, the Engineering Academic Support Office is here for you.

We are split into two teams – The First Year Support team and Upper Year Support. We are focused on ensuring that you have everything you need academically as you complete your engineering degree.

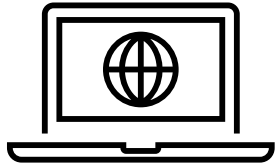


Engineering Academic Support Office



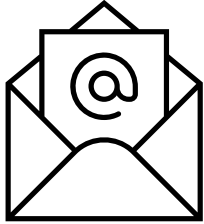
First-year Engineering Advising

The ECORsupport Team prepares first-year engineering student block schedules, offers registration assistance, provides academic advising for all first-year engineering students and can offer guidance as you prepare to begin your engineering studies.

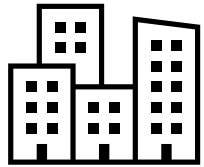


Website: <https://carleton.ca/engineering-design/beng-first-year/>

Engineering Academic Support Office



- ECORSupport – First Year Students
 - ECORSupport@carleton.ca
- EngAcadSupport – Upper Year Students
 - EngAcadSupport@carleton.ca



- Office: 2090 Minto CASE
- Hours of Operation:
 - Mon, Tues, Wed, Fri: 09:00 am – 12:00 pm & 01:00 pm – 04:00 pm
 - Thus: 10:00 am – 12:00 pm & 01:00 pm – 04:00 pm

Engineering Departments

Click to view each page

Department of Electronics (DOE)

- Electrical
- Engineering Physics
- Sustainable and renewable Energy (stream A)

Department of Civil and Environmental (CEE)

- Architectural Conservation and Sustainability
- Civil
- Environmental

Department of Mechanical and Aerospace (MAE)

- Aerospace
- Biomedical & Mechanical
- Mechanical
- Sustainable and renewable Energy (stream B)

Department of Systems and Computer Engineering (SCE)

- Biomedical & Electrical
- Communications
- Computer Systems
- Software

Mechatronics Engineering (MECT)

Department Services

Departments provide their students with the following:

- Academic advising for 2nd year and higher students
- Communications regarding networking opportunities, events, and extracurricular activities
- Assistance with course scheduling, course plans for off-pattern students, prerequisite checks, information regarding upper year engineering electives and instructor contacts
- TA Assignments
- And more!

They are an excellent and accessible resource for students!

First Year Courses

First Year Courses

In your first year, you will need to complete the following courses over the Fall and Winter terms:

- Four First Year ECOR 103X courses
- Three zero credit ECOR courses
- Three Science courses
- Two Math courses
- One additional course

First Year ECOR 103X Courses

Hover/click to view

ECOR 1031: Programming & Data Management

ECOR 1032: Circuits & Mechatronics

ECOR 1033: Statics

ECOR 1034: Dynamics

Zero Credit ECOR Courses

- **ECOR 1055:** [Introduction to Engineering Disciplines I](#)
 - Students will learn about their engineering program from professors and industry professionals. It is important that students attend their specific section of ECOR 1055, as it is tailored for their program.
- **ECOR 1056:** [Introduction to Engineering Disciplines II](#)
 - Students will learn about the other engineering disciplines. This is an asynchronous online (unscheduled) course consisting of videos, quizzes and deliverables.
- **ECOR 1057:** [Engineering Profession](#)
 - Students will learn about the engineering profession. This is an asynchronous online (unscheduled) course consisting of videos, quizzes and deliverables.

Course Scheduling – IMPORTANT DATES!

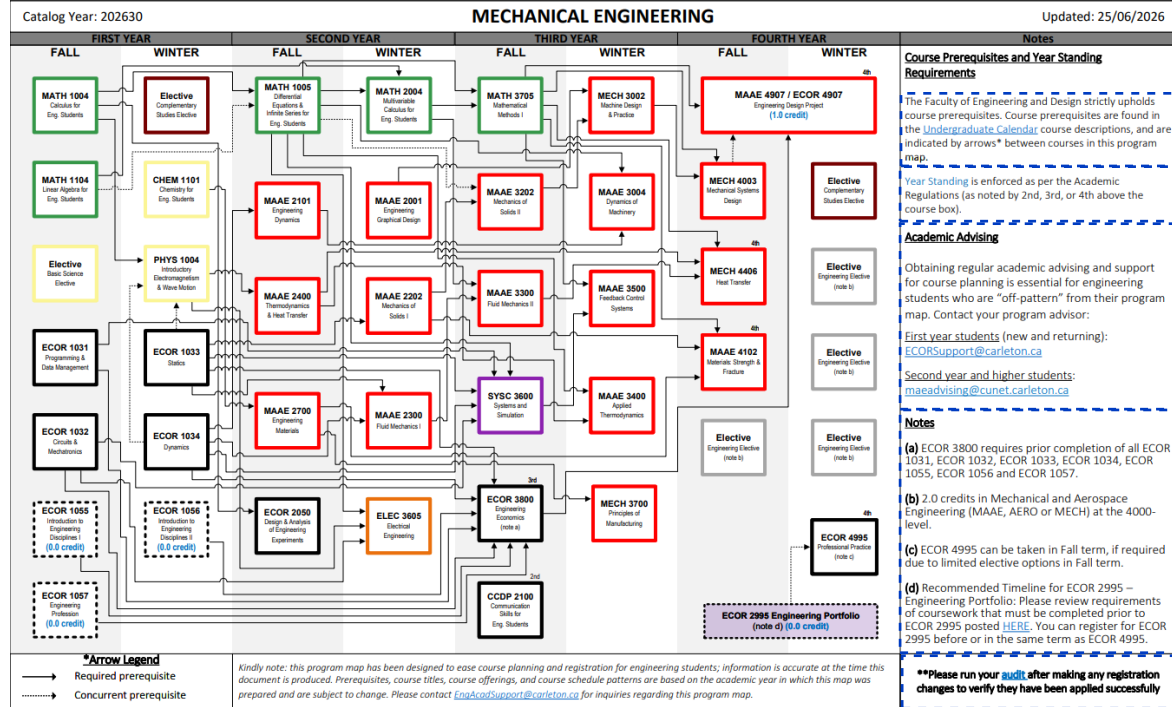
	Fall 2026	Winter 2027
Start/End Date	September 9, 2026 – December 11, 2026	January 6, 2027 – April 8, 2027
Last Day to Register	September 22, 2026	January 19, 2027
Last Day to Withdraw Financially (Registration will not be reflected on your academic record)	September 30, 2026	January 31, 2027
Last Day to Withdraw Academically (registration will be recorded on your academic record as withdrawn (WDN) attempt)	November 15, 2026	March 15, 2027

University dates/deadlines can be found here:

<https://calendar.carleton.ca/academicyear/>

Program Progression Maps

(Hover to view details)



Every Carleton engineering program has its own program progression map. These maps outline the regular course schedule for each eng. program, as well as identify prerequisite courses.

Your Program Map can be found here: <https://carleton.ca/engineering-design/current-students/undergrad-academic-support/prerequisites/>

Engineering Academic Regulations

Academic Continuation Evaluation (ACE)

The Academic Continuation Evaluation (ACE) is a term by term assessment based on the overall CGPA, and the first evaluation occurs when the student completes **5.5 credits**. Subsequent assessments take place at the end of every term in which the student completes a course.

ACE decisions: **Eligible to Continue (EC)**, **Academic Warning (AW)** and **Continue in Alternate (CA)**

- The regulations governing ACE can be found in [Section 3.2 of the Undergraduate Calendar](#).
- More information on ACE for Engineering can be found here: <https://carleton.ca/engineering-design/current-students/undergrad-academic-support/ace-for-engineering/>

3 Attempts of a Course

Carleton engineering enforces a **3 attempt rule**, meaning that students only have three attempts to obtain the required minimum grade in a course.

“A student in the Bachelor of Engineering degree may attempt a course no more than three times. An attempt shall include courses in which the student has earned a final letter grade, CR, NR, SAT, or UNS.

*Some required courses for Engineering have a prerequisite requirement that a minimum grade be achieved in one or more prerequisite courses. If, for any course required for their engineering degree, a student has not earned the required prerequisite grade necessary for that course **by their third attempt** of the prerequisite course, the student will not be permitted to register in the required course, they can not meet the requirements to graduate, and must leave the degree with the status Continue in Alternate (CA) or Dismissed from Program (DP).*

*If **on the third attempt** of a course the student does not achieve a passing grade, the student cannot meet the requirements to graduate ([see the Bachelor of Engineering regulations](#)) and must leave the degree with the status Continue in Alternate (CA) or Dismissed from Program (DP).”*

If you withdraw from a class before the academic withdrawal deadline, it does not count as an attempt.

Best Grade

Carleton has a **Best Grade Policy**; this means that if a student repeats a class the best grade the student has achieved in the course will be used.

NOTE: notations such as **CR**, **TR** or **SAT** will always take place in an Audit and in GPA calculation.

Graduation Requirement

To be eligible for graduation, the most recent grade in every course used to meet the requirements of the Bachelor of Engineering degree must be a passing grade: [Engineering Program Regulations](#).

This means that if you previously earned a passing grade (CR, SAT, D- or higher) in a course but then repeat the course and earn an F, UNS or NR , the Faculty of Engineering will process an audit adjustment to force the most recent attempt (F/UNS/NR) grade in, and you will be required to repeat the course again.

First Year Grading Policy

Students entering their first year of studies at Carleton with no previous post-secondary studies are eligible for the following during the first two terms (Fall and Winter) of registration:

1. Any F or UNS grades earned in any course will automatically be converted to NR (no record)
 - Note: NR grades are still considered discredits and failed attempts
2. Any passing letter grade is eligible to be converted to CR (credit) at your request. A maximum of 2.0 credits are allowed during the first two terms.
 - Note: Courses that require a minimum grade must still be repeated if the minimum grade was not met. University officials have access to confirm earned letter grade for prerequisite checks, even after a final grade has been converted to CR.

Converted grades will be hidden from the GPA calculation. NRs will not appear on transcripts, however, CRs will. You can confirm your eligibility by reviewing your academic audit. If you are eligible to convert up to 2.0 credits under the First Year Grading Policy, the following statement can be found at the top of your audit “Eligible for First Year Grading Policy: [insert effective term].”

More information about the First Year Grading Policy can be found in the [Undergraduate Calendar Section 5.4.3](#)

Undergraduate Engineering Regulations

A summary of regulations applicable to engineering students can be found:

carleton.ca/engineering-design/current-students/undergrad-academic-support/engineering-regulations/

High School vs University

University Expectations

- Class Sizes

- Expect up to 400 students in your first year lectures
- Larger labs and tutorials

- Time Commitment

- 25 – 30+ hours per week
- Each course will require a balancing of work and study loads.

- Deadlines

- Firm deadlines, expect penalties if late submissions are accepted

- Deliverables

- Lab work every week, tests, assignments and midterm evaluations

All instructors and their Teaching Assistants (TAs) will have office hours, where they dedicate that time to helping you in that course.

In addition to your Instructors and TAs, be sure to check out other academic resources available to you!

University Expectations

- Class Schedule

- Expect to have classes at all hours of the day, usually between 8:30 am to 10 pm, Monday to Friday.

- Residence

- If living in residence, you will be managing your home and academic life on your own

- Peers and Teachers

- You will be meeting lots of new and diverse group of people, in and outside of your program

- Independence

- You are in charge and responsible for your education

Navigating First Year

Your Responsibility

As a university student, you have much more responsibility to manage, and must take ownership of your education. You are expected to know the following:

(Hover to view)

- [Dates and deadlines](#)
- [Carleton email](#)
- [University rules and regulations](#)
 - [Engineering specific regulations](#)
- [Academic integrity](#)
- [Participate in learning and complete all academic course work](#)

Student Support Services for Engineering Students

(Click to jump)

- ECOR Tutoring Service (ETS)
- Math Tutorial Centre (MTC)
- Science Student Success Centre (SSSC)
- Women in Engineering & IT (WiE&IT)
- Paul Menton Centre (PMC)
- Global Opportunities & International Student Services Office (GO-ISSO)
- Health & Counselling Services (H&CS)

ECOR Tutoring Service

Build confidence. Master ECOR. Succeed in Engineering.

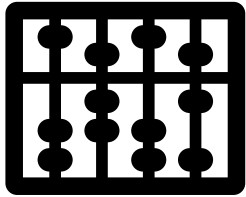
The **ECOR Tutoring Service** is a new, OPAIP-funded initiative designed to help first-year engineering students strengthen their understanding of ECOR course material and build confidence in their learning.

- Free Peer Tutoring, In-Person & Online
- Booked & Drop-In Sessions Available
- 1-1 or Group Sessions
- Built for First-Year Engineering Students
- Ask questions in a supportive environment
- Designed to help you reach your learning goals

Scan/Click to Learn More!



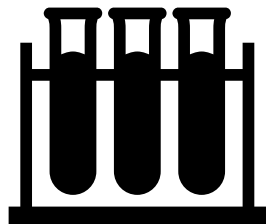
Math Tutorial Centre



The **Math Tutorial Centre** (MTC) is a study space and service for students in need of extra help with MATH courses. Teaching Assistants are available to meet and tutor students in groups or individually.

carleton.ca/math/math-tutorial-centre/

Science Student Success Centre



The **Science Student Success Centre** (SSSC) offers subject resources to your science courses, such as CHEM, PHYS, BIOL etc.

They can also help students discuss strategies on how to approach the subject material, ways to study for specific subject areas and classes, as well as general tips on how to format lab reports

<https://sssc.carleton.ca/resources/subject-resources>

Women in Engineering & IT

The Faculty of Engineering and Design at Carleton University is committed to initiatives which support women in engineering and information technology at every step along their journey.

Supported by leading engineering and information technology organizations, the WiE&IT Program is one of the first of its kind in Canada and hopes to help close the gender gap in STEM. The program runs throughout academic year (September to April) and provides women students studying in a STEM discipline at Carleton with networking, mentorship, and soft-skill development opportunities. Browse our upcoming offerings below.

<https://carleton.ca/engineering-design/about/womeninengineering/>

Paul Menton Centre

The **Paul Menton Centre (PMC)** can help find accommodations for students with disabilities. These services include accommodations ranging from academic learning support, to attendant services for students with mobility requirements.

The PMC works in partnership with the Carleton Community to increase accessibility and integration of students with disabilities into all aspects of university life. The services are not limited to students with disabilities, and accommodations can be made for ongoing or acute conditions.

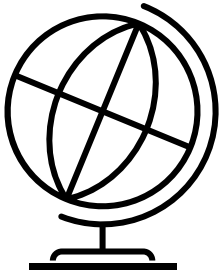
If you had an Individualized Education Program, you can connect with a PMC coordinator to see what accommodations are available to you.

The PMC also needs volunteer note takers. Volunteers attend lectures, take comprehensive notes and upload them online within 48 hours for students who require them. The PMC is always looking for volunteers to help with transforming Carleton into an inclusive environment.

carleton.ca/pmc



Global Opportunities & International Student Services Office



The GO-ISSO assists international students adjust to life at Carleton and to get the most out of their student experience.

In addition to transitional and sociocultural supports offered, the ISSO holds events and workshops for student well-being and community building.

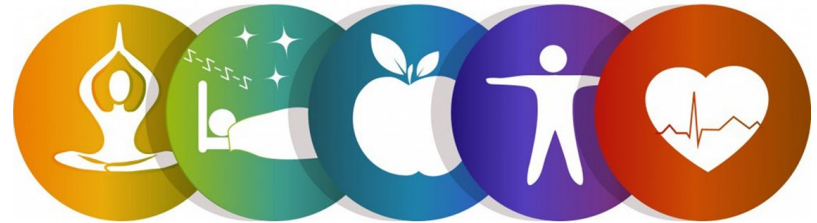
<https://carleton.ca/go-isso/>
<https://carleton.ca/go-isso/events/>

Health and Counselling Services

If you are feeling stressed out or are in a crisis situation, counsellors are available at **Health & Counselling** Services and in Residence to help. On campus we have doctors, counsellors, nurses, dentists, and lab technicians. The Mental Health and Well-Being service connects you to the many resources on and off campus to help support your needs, from self help to more intensive individual support.

The Health and Counselling team is here to help

<https://wellness.carleton.ca/health/>
<https://wellness.carleton.ca/get-help-now/>



Getting Involved

Getting Involved

There are many ways to get involved! Engineering specifically has various clubs and societies that are a great way of meeting like minded people!

In engineering there are three types of social groups:

- Engineering Societies – Program based communities that offer services specifically for students in their program
- Engineering Clubs – For all engineering disciplines who share a common interest
- Engineering Design teams –Typically includes teams of various engineering disciplines working towards a competition with other universities and schools.

<https://carleton.ca/engineering-design/current-students/clubs-and-societies/>

Carleton Student Engineering Society

The **Carleton Student Engineering Society** (CSES) provides engineering students with resources such as a textbook trade, an equipment loan program, and much more!

As an engineering student, you are automatically part of the Carleton Student Engineering Society, or CSES.

Contact:

questions@cses.carleton.ca

<https://www.mycses.ca/>



Engineering Competitions

Every Fall, students can participate in the **Carleton Engineering Competition (CEC)** which includes various categories. Competitions are held for Jr. Design, Sr. Design, Consulting, Communication, Debate, Innovative Design and Programming.

Winners of the Carleton Engineering Competition then qualify to compete at the **Ontario Engineering Competition (OEC)**.

Winners of the OEC are then eligible to compete in the **Canadian Engineering Competition!**



Engineering Societies

The **Carleton Mechanical and Aerospace Society (CMAS)**, strives to enrich and promote the fields of mechanics, aeronautics, and astronautics, by providing education opportunities, services, and events to the Carleton Engineering community.

Contact:

<https://thecmas.ca/>



Engineering Societies

The **Canadian Society for Civil Engineering, Carleton Chapter** (CSCE) is the departmental society for civil, environmental, and architectural conservation and sustainability engineering students. They plan academic, social, and professional events for students!

Contact:

<https://csce-carleton.ca/>



Engineering Societies

The **Systems and Computer Engineering Society (SCESoc)** plans events for students in the Systems and Computer Engineering Department, such as study sessions, all-night programming competitions, and much more!

Contact:

<https://www.scesoc.ca/>



Engineering Societies

The **Institute of Electrical and Electronics Engineers, Carleton Chapter**, (IEEE) is a stream society for many services such as workshops, technical presentations, career networking events, and more!

Contact:

<https://www.ieeecarleton.ca/>

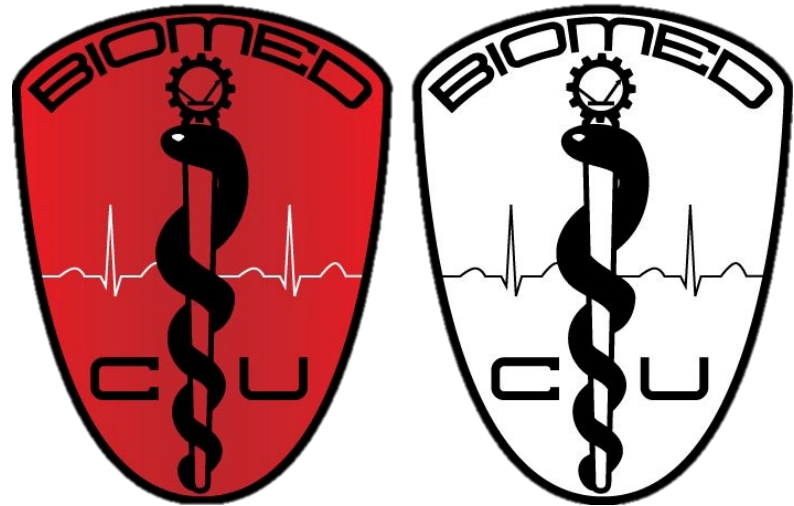


Engineering Societies

The **Carleton University Biomedical Engineering Society**, (CUBES) is a stream society for biomedical students which plans social and academic events such as purple lab coat dying, hospital lab tours, and much more!

Contact:

<https://www.cusaclubs.ca/club/carleton-university-biomedical-engineering-society/>



Engineering Societies

The **Sustainable and Renewable Energy Engineering Society** (SREESoc), plans social and professional events such as the annual Green Energy Symposium.



Contact:

<https://sree-society.ca/>

Engineering Clubs

- [Engineers Without Borders – Carleton Chapter](#)
- [Carleton University Women in Science and Engineering \(CU-WISE\)](#)
- [Carleton University EngiQueers \(CUE\)](#)
- [C-ENG Musical](#)

And many more!

Engineering Design Teams

Carleton Engineering also hosts dozens of engineering design teams for regional and national competitions. Here are some popular ones:

- [Blackbird UAV](#) – Carleton's Unmanned Aerial Vehicle team
- [CU InSpace](#) – Carleton's rocket team
- [Carleton Planetary Robotics Team](#) – Carleton's rover team
- [Great Northern Concrete Toboggan Race](#) – National race in a steel/concrete toboggan designed by students
- [Ravens Racing](#) – Carleton's racecar team
- [Troitsky Bridge Building](#) – Canadian Bridge building competition from popsicle sticks

And many more!

Other Services - CUSA

Carleton University Students' Association (CUSA) is the undergraduate student government that organizes many campus services, clubs and societies, student life, and community campaigns.

Every Carleton undergraduate student is a member of CUSA and you are encouraged to take advantage of the services and events!

Contact:

<https://www.cusaclubs.ca/>



Have a great first week of classes!



Questions? ECORSupport@carleton.ca