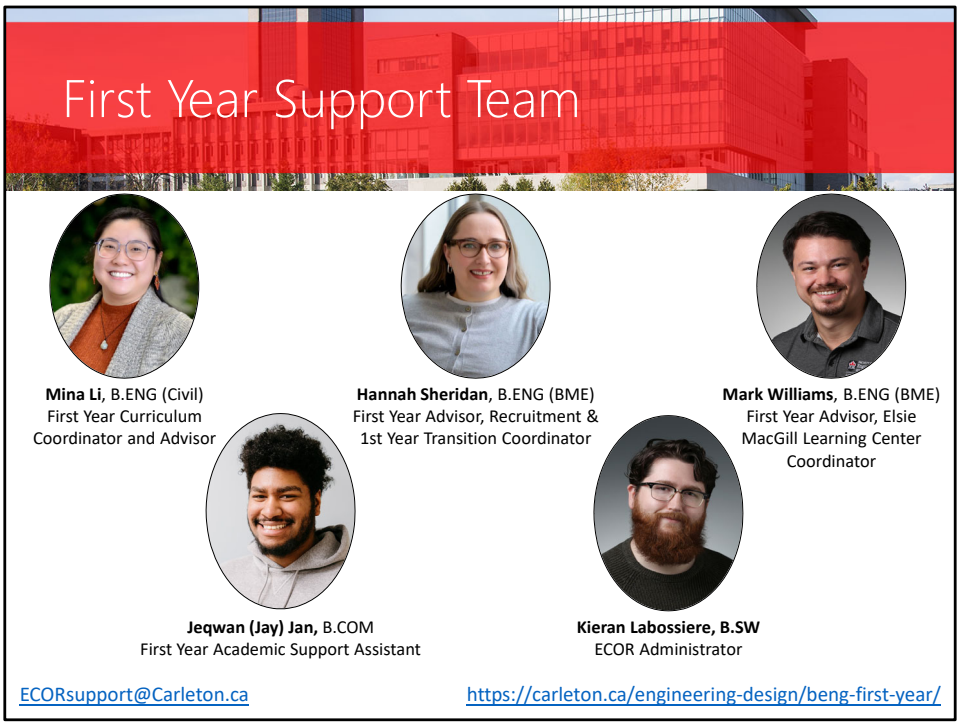

Welcome to your first week of Carleton Engineering! We are very excited to have you here, and hope you start your academic careers with confidence.

To help you get adjusted to Carleton Engineering, this presentation was created to share important information, and some tips and resources available to you. We will discuss your first year courses, important rules and regulations, as well as what it means to be an Engineering student at Carleton.




I'd like to introduce the First Year Support Team, also known as the ECORSupport Team.

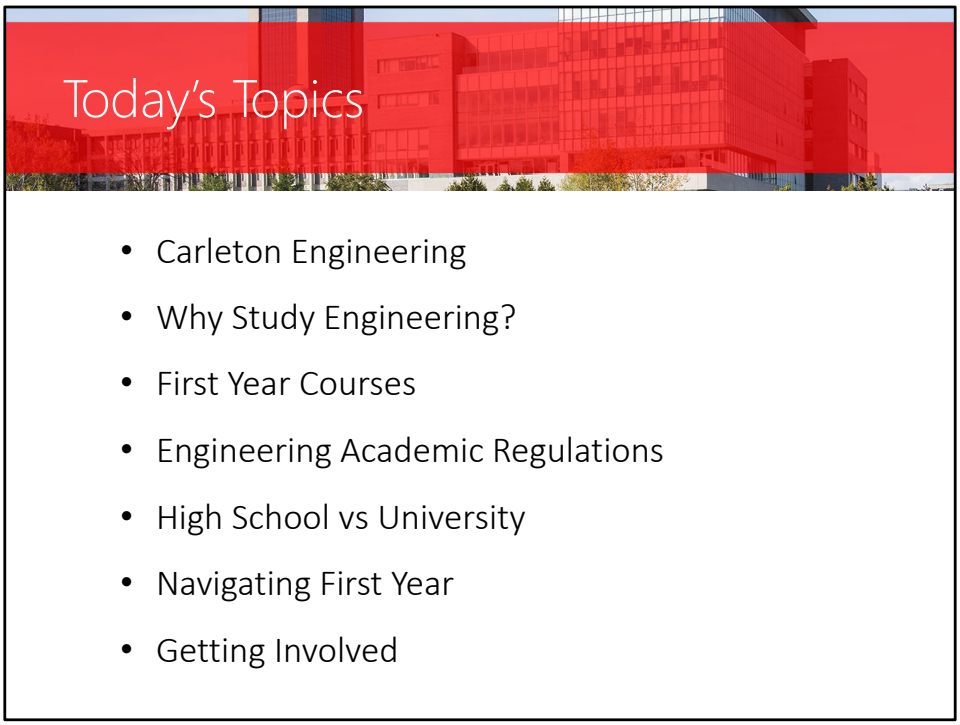
My name is Mina, and I am the First Year Curriculum Coordinator. I also completed my Bachelors of Civil Engineering at Carleton. Including me, there are two other first year advisors here to help, Mark Williams, who also runs the Elsie MacGill Learning Centre, and Hannah Sheridan, who also works in engineering recruitment. Both Mark and Hannah graduated with a Bachelors of Engineering, specifically in Biomedical and Mechanical Engineering.

We also have Jeqwan Jan, or Jay, as our first year academic support assistant, and Kieran Labossiere, our ECOR administrator. They are likely your first point of contact with the first year support team and can help with any general first year questions you may have.

We understand that your first year in University can be daunting. It may take you some time to get adjusted to your new environment, meet new people, and to get the hang of going to classes. To help with your transition, we, the first year engineering support team, are here for you. We can help with your registration, scheduling, or just to talk about how your classes are going.

Our office is located in 2090 Minto Centre, and we are available for in-person visits and

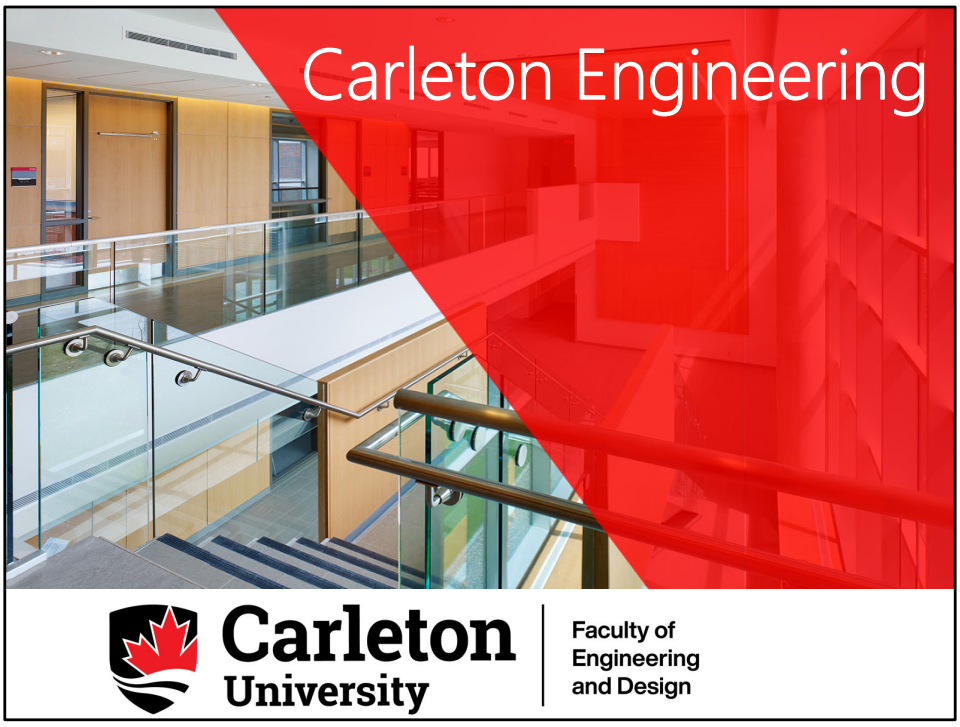
calls. We also have virtual first year advising appointments available, booked through our website.  We look forward to seeing you start your engineering journey!




The topics we will cover in the presentation are…

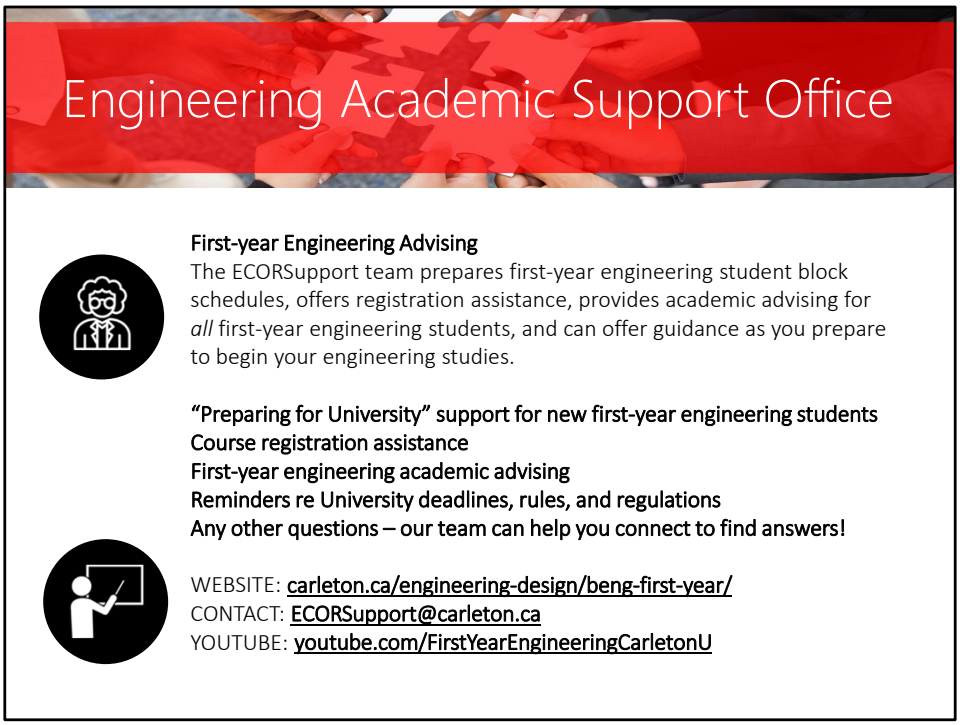
Carleton Engineering
Why Study Engineering
First Year Courses
Engineering Academic Regulations
High School Vs University
Navigating First Year
Getting Involved

Some of this may have been explained to you before, however, we encourage you all to please keep watching as some messages are best heard multiple times.




Carleton Engineering.

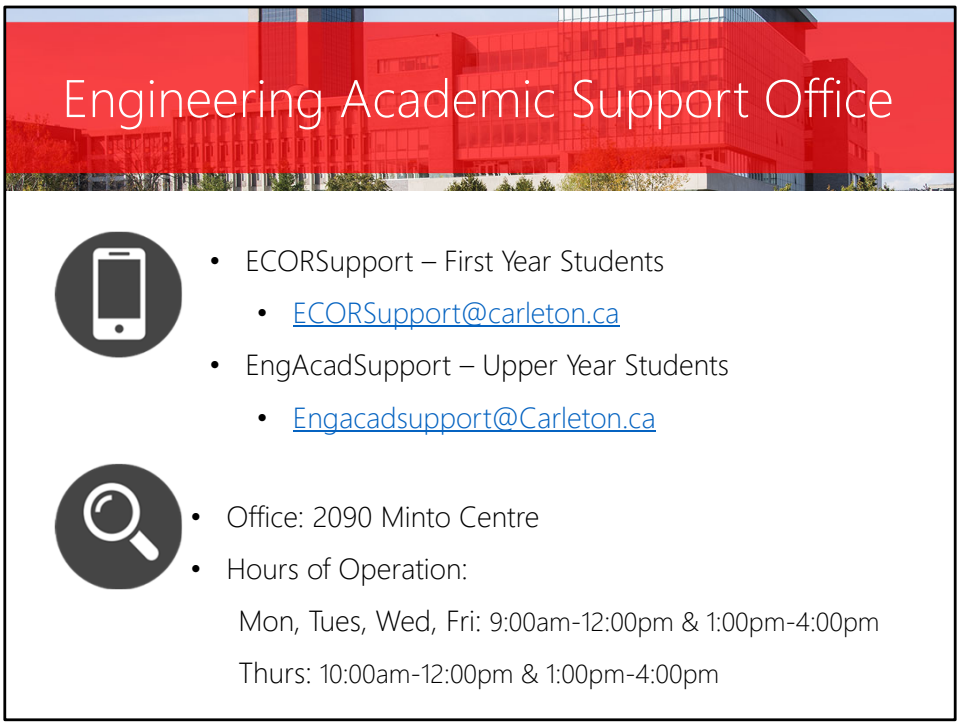

To help you navigate your engineering studies, Our office, the Engineering Academic Support Office, is here for you. We are split into two teams – The First Year or ECORSupport team and upper year support.
We are focused on ensuring that you have everything you need academically as you complete your studies in engineering.



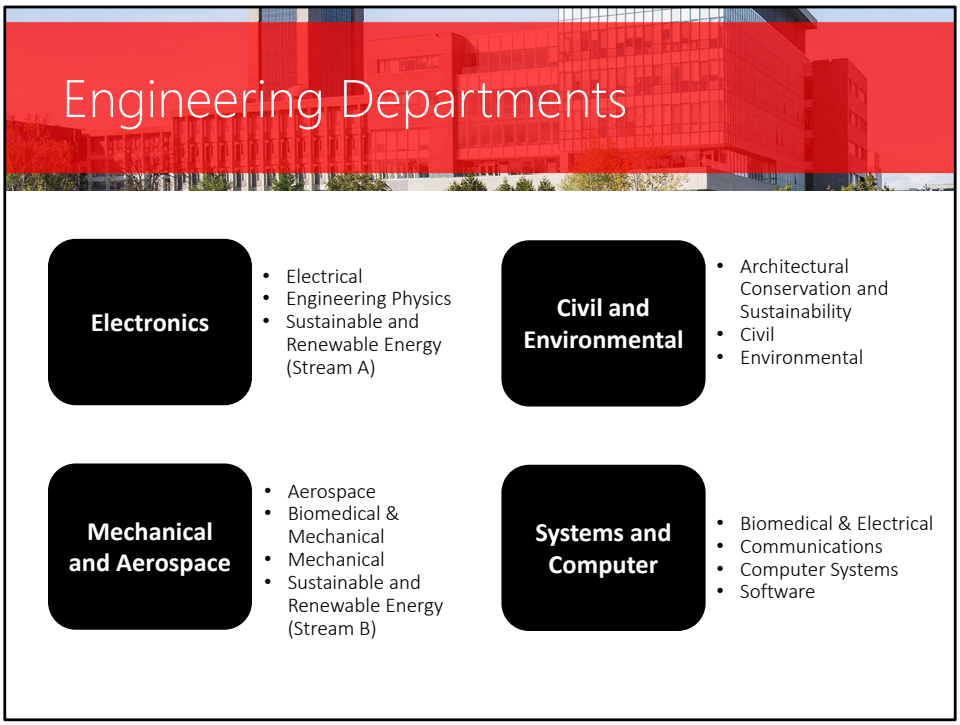

The ECORSupport team prepares first-year engineering block schedules, offer registration assistance, provide academic advising for *all* first-year engineering students, and can offer guidance as you prepare to begin your engineering studies.

This team will be your go-to contact leading up to and throughout your first-year in engineering – everything from school supplies, University dates/deadlines, prerequisites, registration changes, or help with finding courses. We also have a playlist of handy Youtube videos to help you get started in Carleton Engineering and have great reviews of MATH and Science fundamentals.

If you have any questions, please do not hesitate to contact us!




The best way to reach us is via email, ECORsupport@Carleton.ca. We are also available for in-person visits during our open hours.
Our office is open every day Monday to Friday, please see the specific times on the screen or view our website for closures. Members of both ECORsupport and Upper year support will be present to assist you.




In addition to the services offered via the Engineering Academic Support Office, each engineering program will have their own department services as well. The Engineering Faculty is split into four main departments;

The Department of Electronics which includes Electrical students, Engineering Physics, and SREE A students.

Department of Civil and Environmental Engineering; which houses Civil, Environmental and Architectural Conservation and Sustainability Engineering.

The Department of Mechanical and Aerospace Engineering includes Aerospace, Mechanical, SREE B, and Biomedical and Mechanical Engineering.

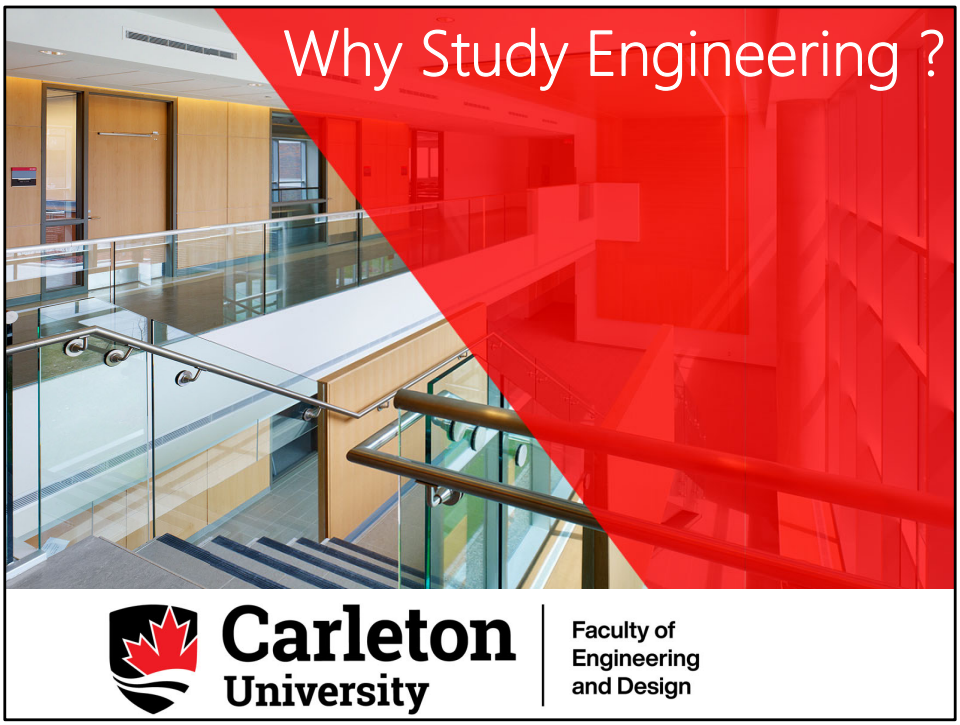
Lastly The department of Systems and Computer Engineering; who oversees Biomedical and Electrical engineering students, Communications, Computer Systems and Software Engineering.

Each department will also have their own respective program advisor and admin staff, who can further assist you during your 2nd through 4th year of your engineering program.


The four departments provide their respective students with many different types of resources and information. Ranging from Project registration, Equipment loaning, job opportunities, networking events and extracurricular activities. They can help you get in contact with your professors, provide access to department labs and help with your engineering electives later on.

They are an excellent resource for engineering students of all years, however, keep in mind that First year inquiries should always be directed to ECORSupport.

While you will receive communication from our ECORsupport team, you will also receive communication from your department as well.




Why Study Engineering?

While you embark on your engineering journey, it’s important to remember why you dedicating your time to the field.


Why do you want to be an engineer?

Engineers are problem solvers. By combining creativity, mathematics and science – engineers will find the answer to any problem, big or small.

Engineers are crucial to the development of society. Every industry will require some form of engineering, from developing solutions to fight climate change, advance new medicine and technology or even colonizing Mars.

Engineering is constantly evolving with new research, technology and ideas. You will meet all kinds of interesting people, bringing experiences from all over the world.

That brings us to International Opportunities. Engineering is a profession needed in all parts of the world and there is no shortage of problems. The things you learn in this field can be applied anywhere.

Most importantly, Engineers make a difference. They are the fixers, innovators, and designers of the world, and the work that you do is applicable in all aspects of life. You will learn, practice and apply your knowledge for the betterment and development of society, and remember, with great power, comes great responsibility.


Because of 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.

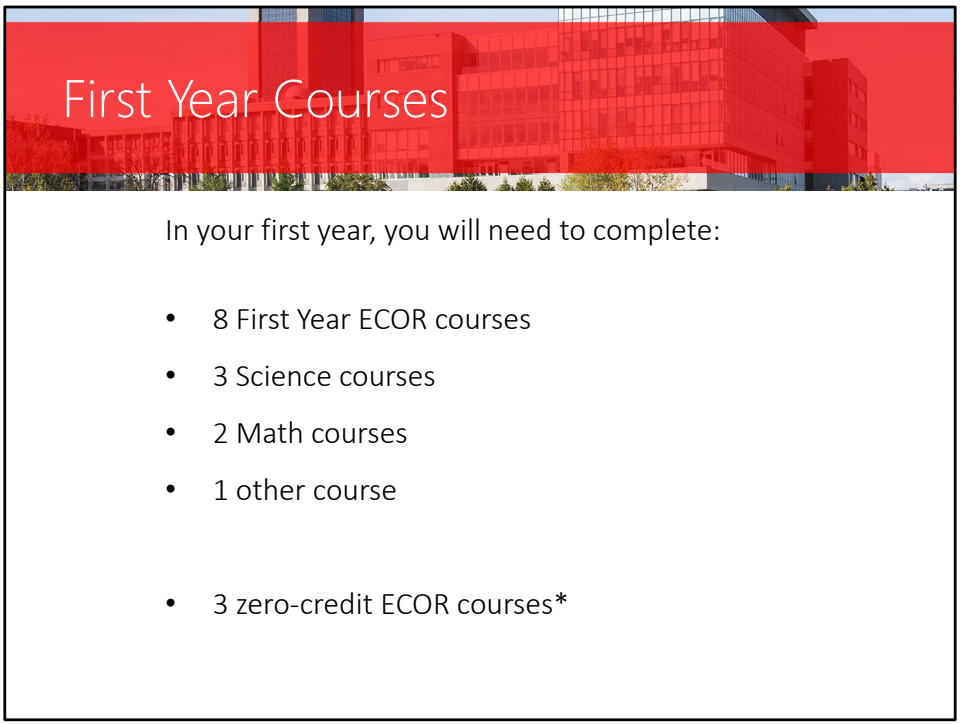
The Professional Engineers Ontario regulates the practice of professional engineers. The establish, maintain and develop standards of knowledge and skills, practice for the profession and upkeep of professional ethics. PEO is also where you will apply to be a P.ENG, and where you will start your E.I.T, Engineering Intern program.


Did you know? 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.

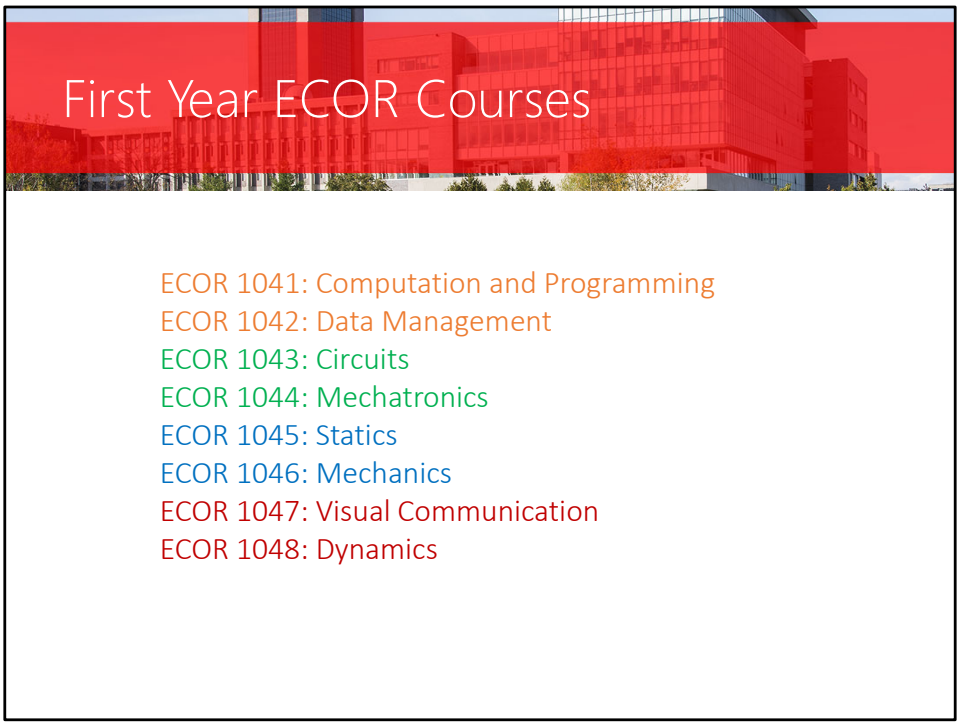

Now moving to your first year curriculum.




All First year engineering students will complete the same mandatory courses with a few exceptions.

In your first year, you will complete 8 first year ECOR, or Engineering Core courses.
3 science courses, including Chemistry and Physics.
2 MATH courses.
And one additional course which is dependent on your engineering program.

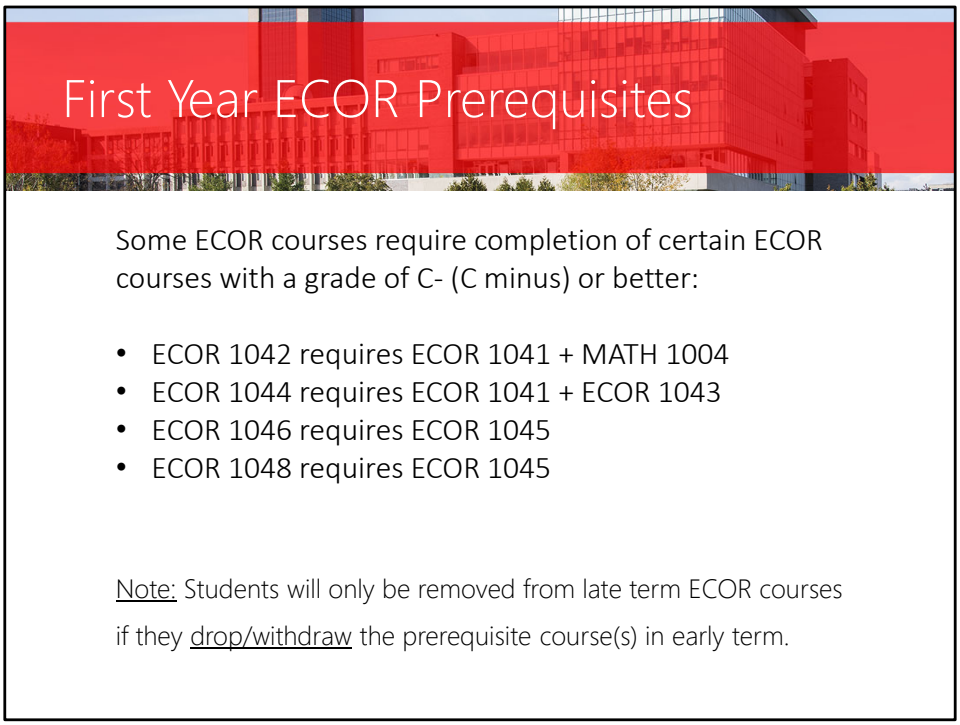
You will also complete three zero-credit courses that are Pass/Fail. These are the ECOR 1055, ECOR 1056 and ECOR 1057 courses.




The First year engineering core courses are as shown on the screen, all worth 0.25 credits.

They are typically paired to create a full term course.
For example, you will take ECOR 1041, Computation and Programing, in the early half of the term, spanning 6 weeks. In the following week you will start ECOR 1042, Data Management, in the late half of the term, for the remainder of the term.

Regardless of the engineering program you are in, all first year engineering students will take all 8 ECOR 104X courses.




You will see that you are taking ECOR prerequisites concurrently, meaning in the same term. This is due to the way they are split within the term, however, prerequisites are still enforced.

ECOR 1042, requires the completion or concurrent registration of ECOR 1041 and MATH 1004.
ECOR 1044 requires the completion or concurrent registration of ECOR 1041 and ECOR 1043.
ECOR 1046 and ECOR 1048 both require the completion or concurrent registration of ECOR 1045.

In all ECOR 104X courses, a minimum grade of C- is required for the continuation of your degree.

NEW:
As the ECOR 104X courses are grouped per term, if you were to withdraw from an Early term ECOR 104X course, you must also withdraw from the late term subsequent course. For Example, If you were to drop ECOR 1041 in the early fall term, you must also withdraw from ECOR 1042 and ECOR 1044. Failure to do so will result in your removal in the late term courses.

# First Year ECOR Prerequisites Cont.

| Course | Prerequisite Requirement(s) | Eligible to Continue in late term with WDN (withdrawn) in early term prerequisite course(s) | Eligible to Continue in late term with F, D-, D, or D+ grade* in early term prerequisite course(s) |
|---|---|---|---|
| **ECOR 1042** | ECOR 1041 with a C- | **NO** | **NO** |
| **ECOR 1044** | ECOR 1041 with a C-<br>ECOR 1043 with a C- | **NO** | YES |
| **ECOR 1046** | ECOR 1045 with a C- | **NO** | YES |
| **ECOR 1048** | ECOR 1045 with a C- | **NO** | YES |

*Within the same term

An important thing to note is that if you complete the early term courses, you will be eligible to continue in your late term courses regardless of your early term grade in most cases. The table on the screen shows which courses you can continue in depending on your early term grade. Please note that this is only applicable to courses taken in the same term.

For ECOR 1044, you are eligible to remain in the course if you have completed ECOR 1041 and ECOR 1043 in its entirety. Meaning even if you do not meet the C- grade requirement in ECOR 1041 or ECOR 1043, you can still remain in ECOR 1044.

Same with ECOR 1046 and ECOR 1048, even if you do not meet the C- grade requirement in ECOR 1045, you can still remain these courses.

The only exception is ECOR 1042. If you do not meet the minimum grade required in ECOR 1041 in the early term, you will be removed from ECOR 1042 in the late term. You must then repeat ECOR 1041 in the late term. Those who do not meet the minimum grade requirement in ECOR 1041 will be contacted by the Department of Systems and Computer Engineering to adjust their registration.

As a reminder, should you withdraw from an early term prerequisite course, you must also withdraw from the subsequent course.

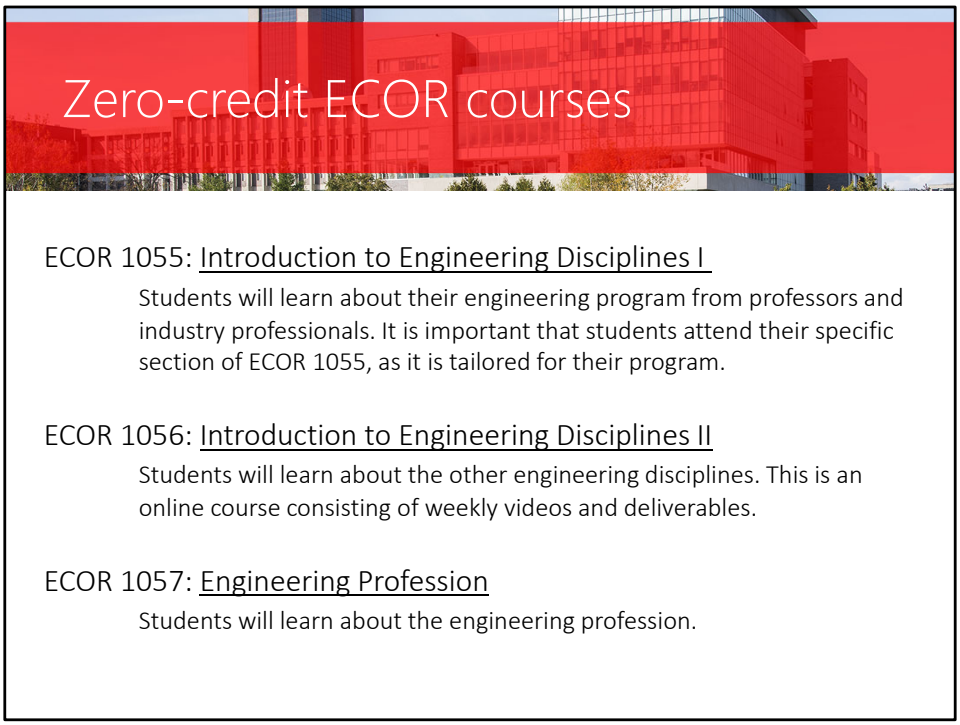
If you have any questions regarding this or your eligibilities, please contact us at ECORSupport@Carleton.ca

## First Year ECOR Projects

ECOR 1042: Data Management
ECOR 1044: Mechatronics
ECOR 1046: Mechanics
ECOR 1047: Visual Communication

*Each student will have the opportunity to serve as team lead on 1 project and be a team member on 3 projects.*

In the following courses, ECOR 1042, ECOR 1044, ECOR 1046, and ECOR 1047– these ECOR courses will have a group project with one student acting as the team lead. Each student will have the opportunity to be a team lead in at least one course, and a team member in the other three.




In addition to the EIGHT ECOR 104X courses, you also have THREE 0.0 credit courses, two in the fall term and one in the winter term to complete as part of your first year requirements.

In the fall term, you will have ECOR 1055: Introduction to Engineering Disciplines 1, where students will learn about their own engineering program with guest speakers from professors and industry professionals. This is an excellent opportunity to learn about your profession, and the different applications your degree will have. This course is restricted by program, it is very important that you attend the section reserved for your own program.

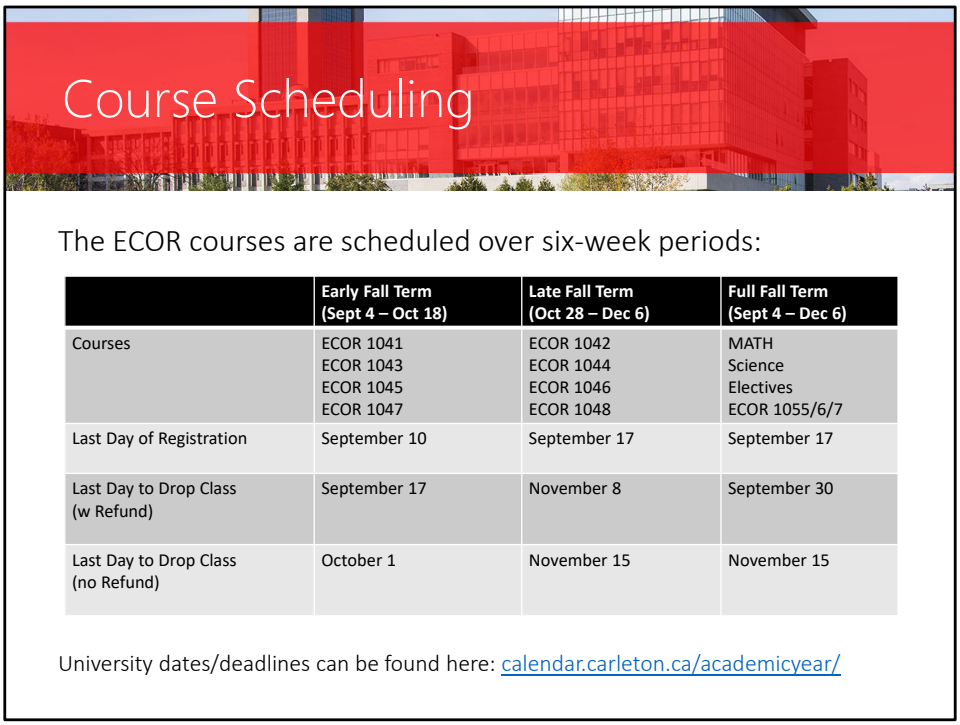
In the fall term you will also have ECOR 1057: Engineering Profession. This course is an online asynchronous course which has no scheduled time.

In the winter term you will have ECOR 1056: Introduction to Engineering Disciplines 2, where students will learn about other engineering programs at Carleton and their applications. This is also an online Asynchronous course.

For both ECOR 1056 and ECOR 1057 – these are self-directed courses, meaning that students are responsible for logging in to the courses on Brightspace and completing the deliverables. It is crucial that you are able to set aside some time every week to complete

the work.  The course outlines of each course will state the required deliverables, and conditions of earning a pass or satisfactory in the course.

Please note, while these courses are Pass/Fail, or SAT/UNS courses. Earning an Unsatisfactory in these courses will still count as a discredit, thus will negatively impact your scholarship renewal.



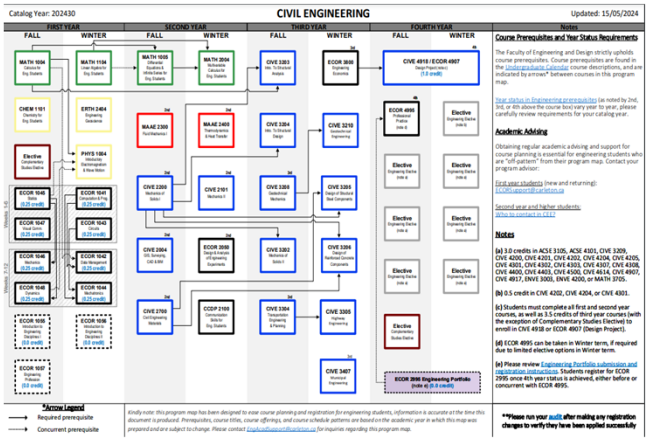

| | Early Fall Term (Sept 4 – Oct 18) | Late Fall Term (Oct 28 – Dec 6) | Full Fall Term (Sept 4 – Dec 6) |
|---|---|---|---|
| Courses | ECOR 1041<br>ECOR 1043<br>ECOR 1045<br>ECOR 1047 | ECOR 1042<br>ECOR 1044<br>ECOR 1046<br>ECOR 1048 | MATH<br>Science<br>Electives<br>ECOR 1055/6/7 |
| Last Day of Registration | September 10 | September 17 | September 17 |
| Last Day to Drop Class (w Refund) | September 17 | November 8 | September 30 |
| Last Day to Drop Class (no Refund) | October 1 | November 15 | November 15 |

We understand that the half term courses may seem *confusing* (especially when you have courses that run the whole term), To help, we have created the table on the screen of the Fall term to understand the delivery durations.

The early Fall term, weeks 1-6, will run from early September to mid October. These are the Odd numbered ECOR 104X courses. The Late Fall term courses, weeks 7-12, will run from mid October after the fall break, to the end of the Fall term - the are the even numbered courses.
Full term courses such as your MATHs and Science courses will run from September to December.

Please also make important note of the registration and drop deadlines – the early fall term courses will have an earlier deadlines. The table show only the Fall term deadlines, please refer to the Carleton academic year linked on the screen to see the Winter term deadlines. IF you need to withdraw from a course, please contact us at ECORSupport@Carleton.ca as doing so may impact your ability to continue in late term course(s). This can also impact your full-time academic status or awards and scholarship conditions.

# Program Progression Maps




Every Carleton engineering program has a unique set of program progression maps. These maps outline the regular course schedule for each degree, as well as identify prerequisite courses.

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

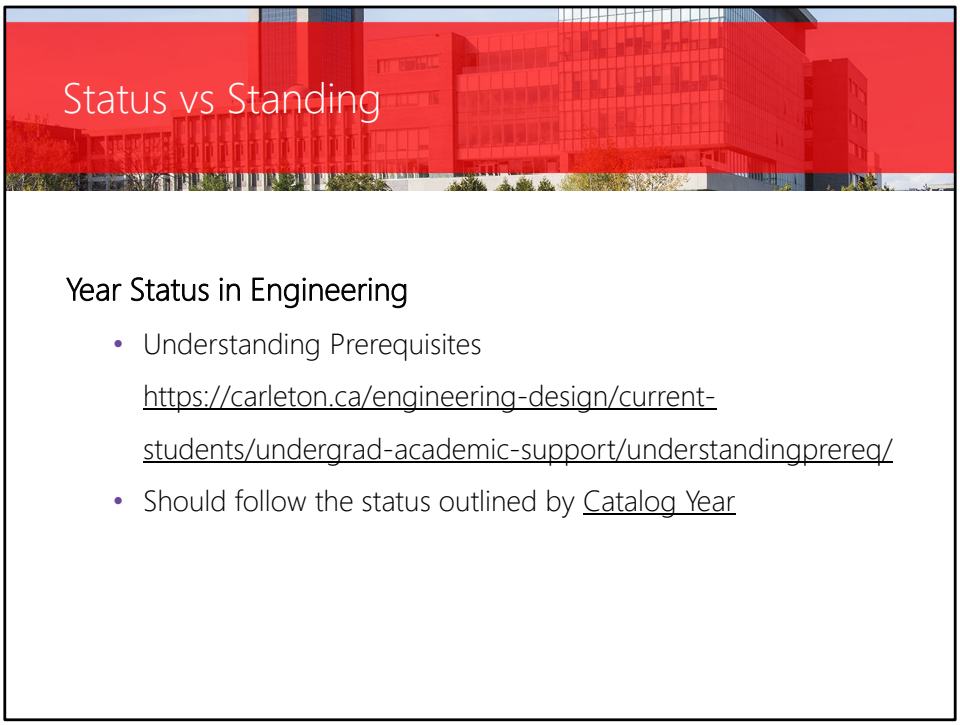
Every new first year student is assigned a block schedule including all of your mandatory courses. Students will only need to select elective if applicable. From second year and onwards, you will need to build your own schedule.

To help you figure out what courses you need to include in your schedule, each engineering program has its own program progression map. This map indicates when you should be taking your courses if you are on track, any prerequisites you need to meet, and what year status certain classes may require.

All information, including your departmental advisor, can be found in the right hand side. The program progression maps are available on our website, please be sure to follow only the map of your year. This will be your map for your entire degree.

We understand that not all students will be able to follow the map exactly as its laid out. If you find that you become off track or off pattern, please reach out to Academic Support Office and/or your departmental advisor for further advising and guidance on your course plans.


Next we'll move on to a quick review of Academic Regulations that all Engineering students need to know



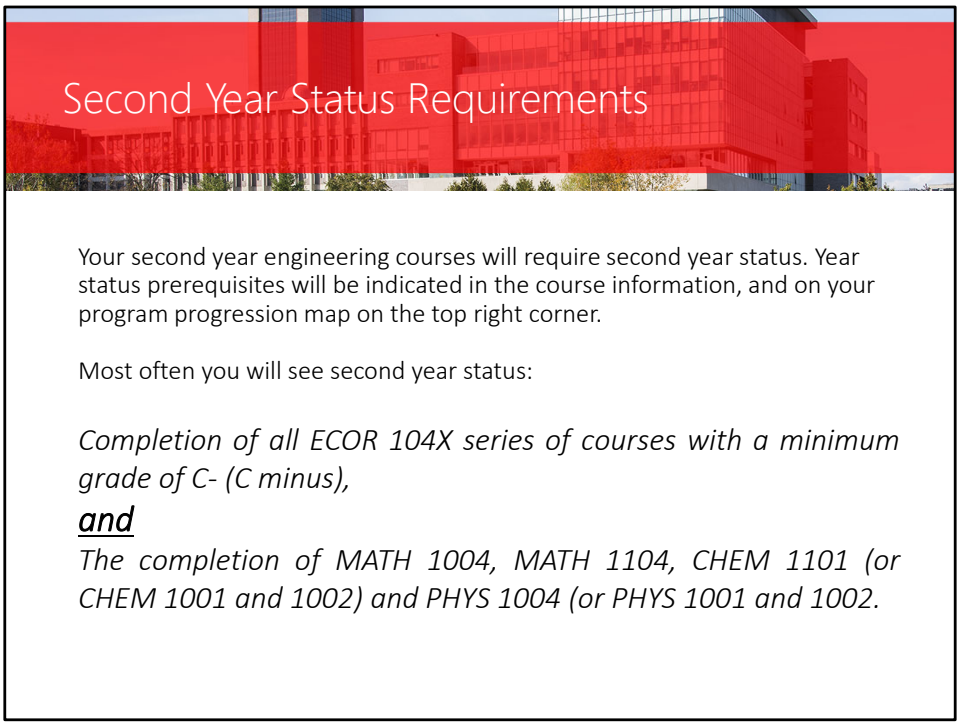

Status vs Standing

In Engineering, we evaluate a student's progress by year STATUS rather than STANDING which the rest of Carleton uses.

The main difference between them is that status considers which courses in each year requirement the student has completed, vs standing which considers the total amount of credits completed. For example, 2nd year standing requires the completion of 4.0 to 8.5 credits. It doesn't matter which courses you've completed, as long as you've received a letter grade.

Second year STATUS requires the completion of all first year Engineering Core courses with a minimum grade of C-, and their math and science courses. So it values what kind of courses you've completed, and your performance in the them as well.

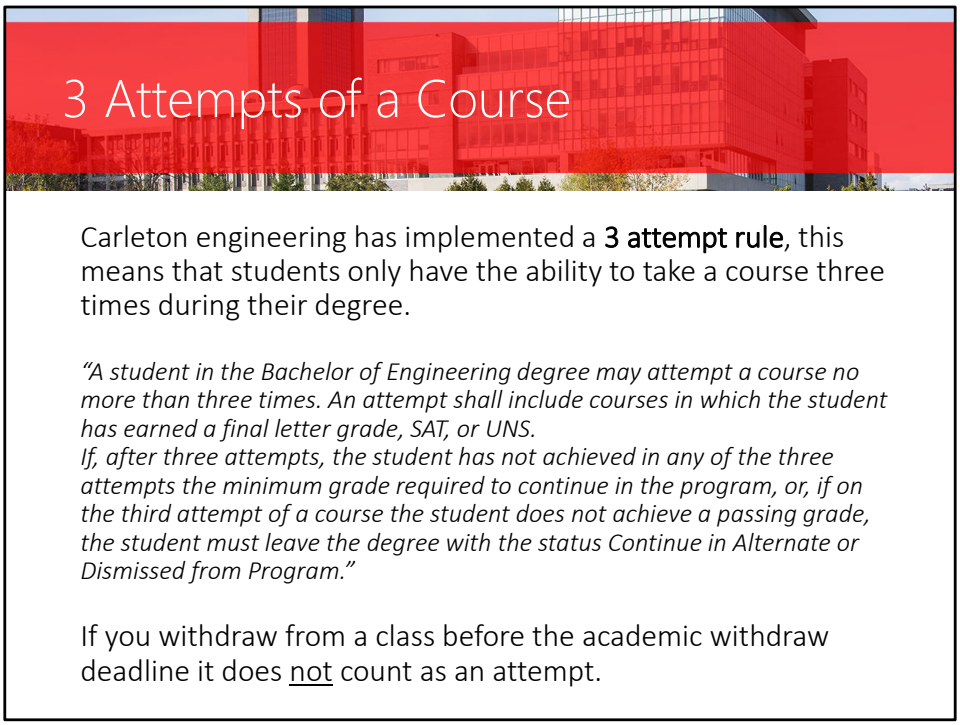
The link on the screen will provide more information on the differences between each year status and standing. Please note, you should always follow the requirement of your catalog year.




Second Year Status Requirements

Since Second year status prerequisite will be the first status prerequisite you will encounter, it is very important that you are aware of the requirements. Second year status requires the completion of your MATH, CHEM and PHYS courses, and ALL of your first year ECOR 104X courses with a minimum grade of C-.

If any of your first year courses are incomplete or do not meet the minimum grade, you will not have access to your second year status courses. This will throw your progression off track, so please be sure to reach out to us for further guidance.

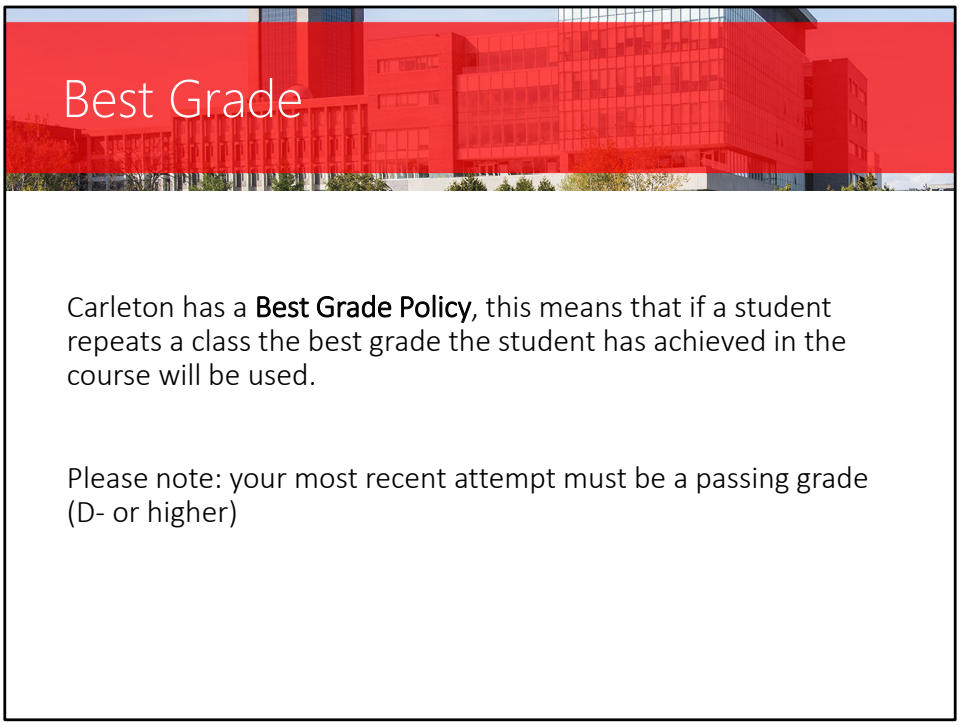



3 Attempts of a course

In Engineering, we also have a 3 Attempts rule, in which if a student does not earn a letter grade or meet the minimum grade required for a course three times, the student will receive a decision of Continue in Alternate. This means the student will be removed from the Engineering program.

For example, if a student were to receive a D in ECOR 1041, they will need to repeat the course to meet the minimum grade requirement. On their second attempt they may earn a D- and on the third a D+. Unfortunately, as they did not achieve the minimum grade required, which is a C-, they will be give be removed from the engineering program under the 3 attempt rule.

So what counts as an attempt? Any course you've received a final grade in will count as an attempt, whether it be a letter grade, SAT or UNSAT. If you were to withdraw from the course before the drop deadline, it does not count as an attempt.

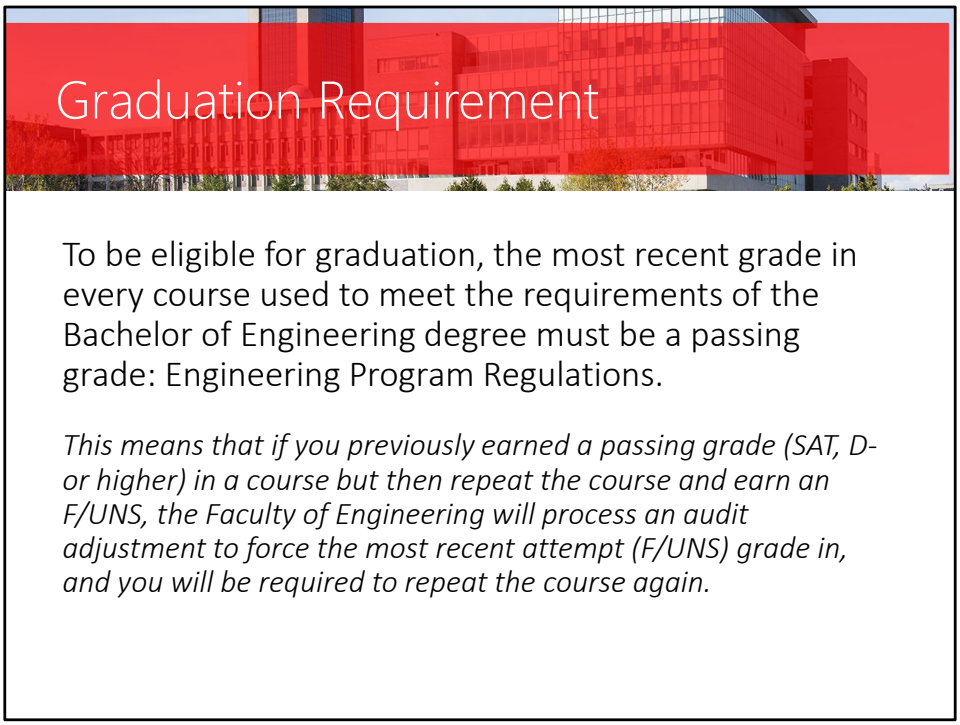



Best grade policy.

Carleton has a **Best Grade Policy**, which means that when a student repeats a class the best grade the student has achieved in the course will be used.

For example, if you received a C- in a course, and repeated but got a D. The C- grade from your first attempt will count in your audit and GPA.

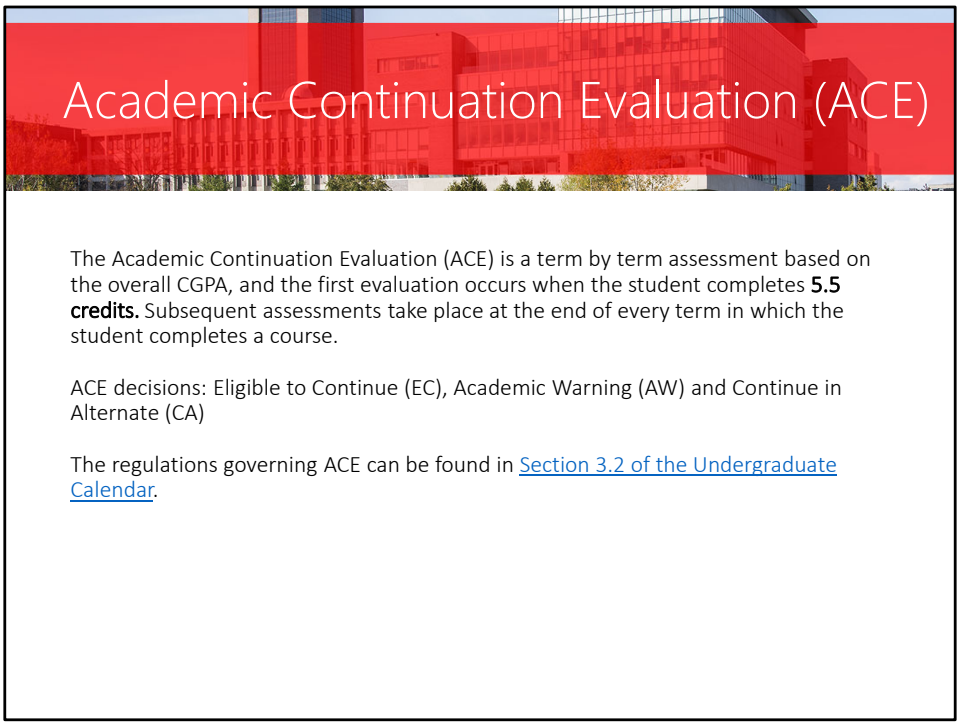
Please note, your most recent attempt MUST be a *passing* grade (D- or higher) due to the engineering graduation requirement.




Graduation Requirement

As mentioned in the previous slide, In engineering, *your most recent attempt of a course must be a passing grade*.

For example, If you received a D+ in MATH 1004, and in the process of repeating the course for a better grade you had failed your lasted attempt – While your D+ grade will allow you to continue in your program, you still must repeat the course so that your most recent attempt is a *passing grade* (D- or higher). If you had not registered to repeat MATH 1004, your F grade will be forced into your audit until do repeat the course.




The Academic Continuation Evaluation (ACE) allows leniency in the first year of studies and encourages incremental progress towards your degree requirements. 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.

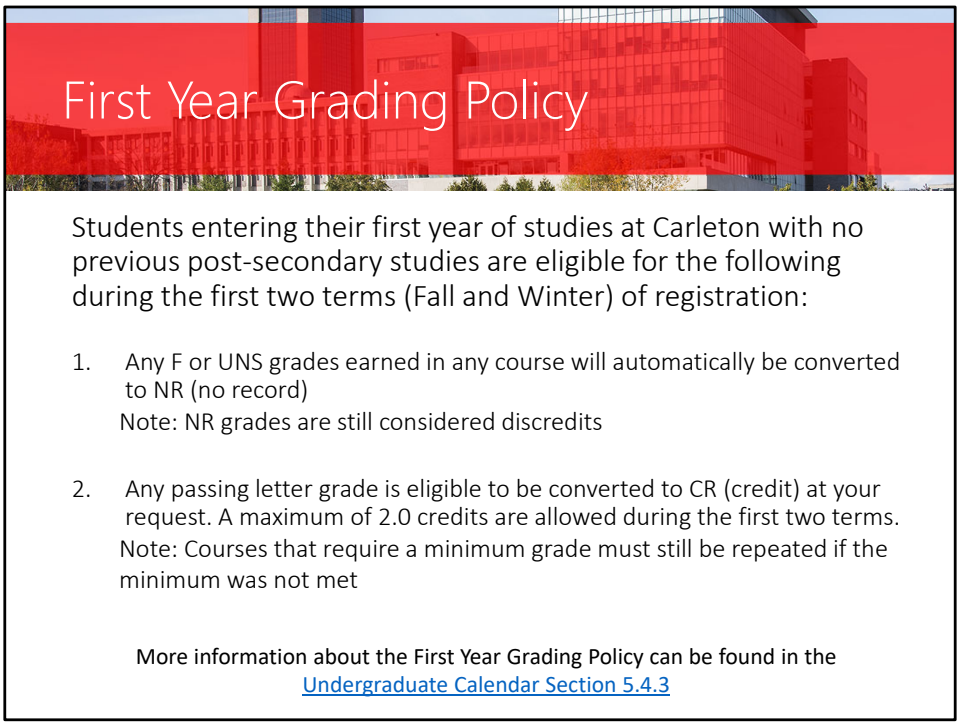
The possible outcomes of the ACE for engineering students are: Eligible to Continue (EC), Academic Warning (AW) and Continue in Alternate (CA).

As you have a credit limit of 5.0 credits during your first year Fall and Winter term, you will not be assessed in your first year but will be Eligible to Continue. Academic Warning is given when a student fails to meet the minimum overall GPA requirement. Under ACE, students can remain on *Academic Warning* for multiple consecutive terms, until their Overall term GPA is high enough for *Eligible to Continue*.

The decision *Continue in Alternate* (CA) is given when a student's performance has fallen below a minimum standard and, in consequence, the student is removed

from—and cannot be readmitted to—that same program.  Students are permitted to continue at the university in a different program. The minimum CGPA for Engineering programs is a 5 (C average). Should you be on Academic Warning, and subsequently failed to meet the minimum term GPA, you will be given the decision of Continue in Alternate.

More information on the Academic Continuation Evaluation can be found in the link on the screen.




A new implementation starting this year is the First year grading policy.

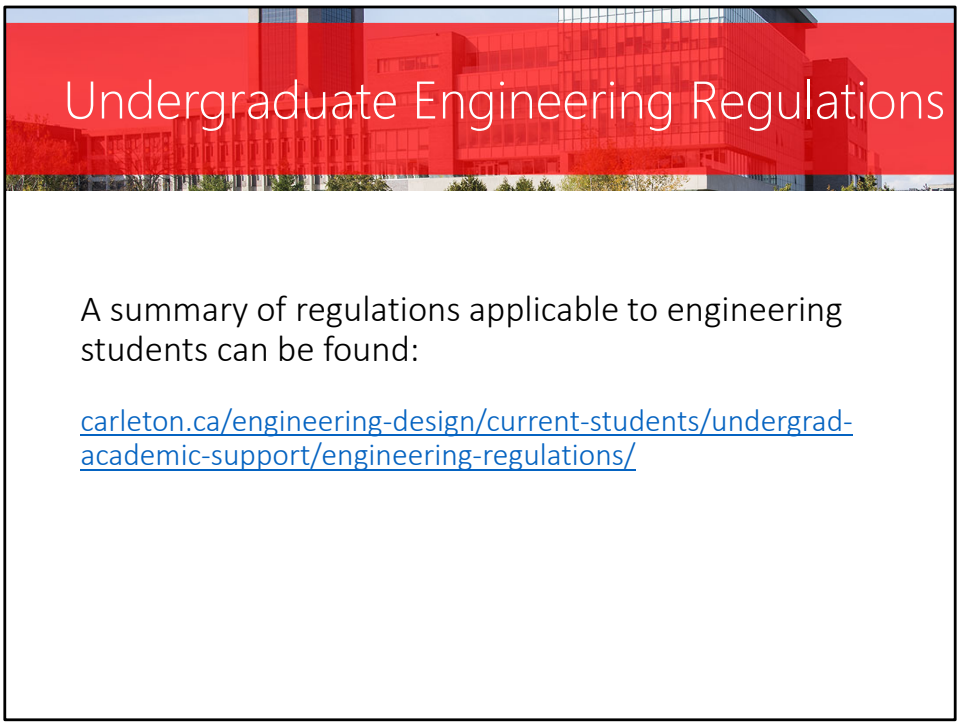
Students entering their first year of studies at Carleton with no previous post-secondary studies are eligible for the following during the first two terms of registration:

1. Any F or UNS grades earned in any course will automatically be converted to “no record”
   Please note that these are still considered discredits

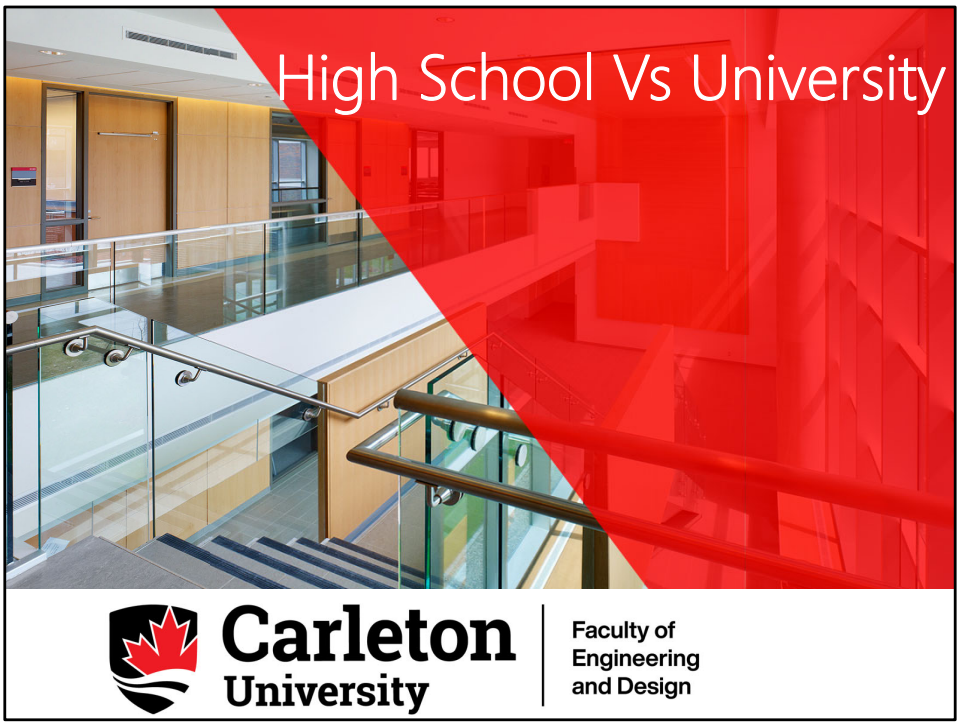
2. Any passing letter grade is eligible to be converted to CR (credit) at your request. A maximum of 2.0 credits are allowed during the first two terms.
   That being said, you must still repeat the course if you do not meet the minimum grade required.

The NR notation will not be recorded on the transcript, however, the CR notation will. All letter grades will be retained for internal use and accessible for other purposes as required.

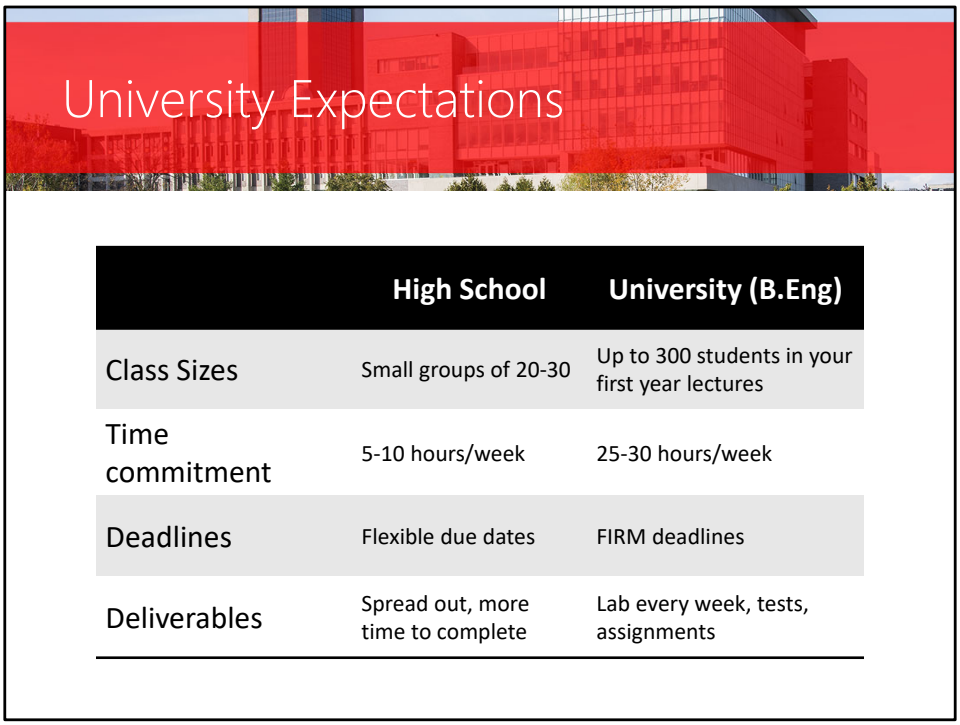
More information about the First Year grading Policy can be found in the Undergraduate Calendar Section 5.4.3




All regulations applicable to engineering students are listed here. Should you have any questions regarding any engineering regulations or Carleton policies, please do not hesitate to contact us.




Before we move on to what to expect from your first year, I'd like highlight some differences between what you may have experience in high school vs. what you should expect in University.




| | High School | University (B.Eng) |
|---|---|---|
| Class Sizes | Small groups of 20-30 | Up to 300 students in your first year lectures |
| Time commitment | 5-10 hours/week | 25-30 hours/week |
| Deadlines | Flexible due dates | FIRM deadlines |
| Deliverables | Spread out, more time to complete | Lab every week, tests, assignments |

The first thing you may notice is that your university classes will be a lot more packed than what you're used to in high school. At most, a high school classroom has about 30 students, where as some of your first year lectures might see 300 students.

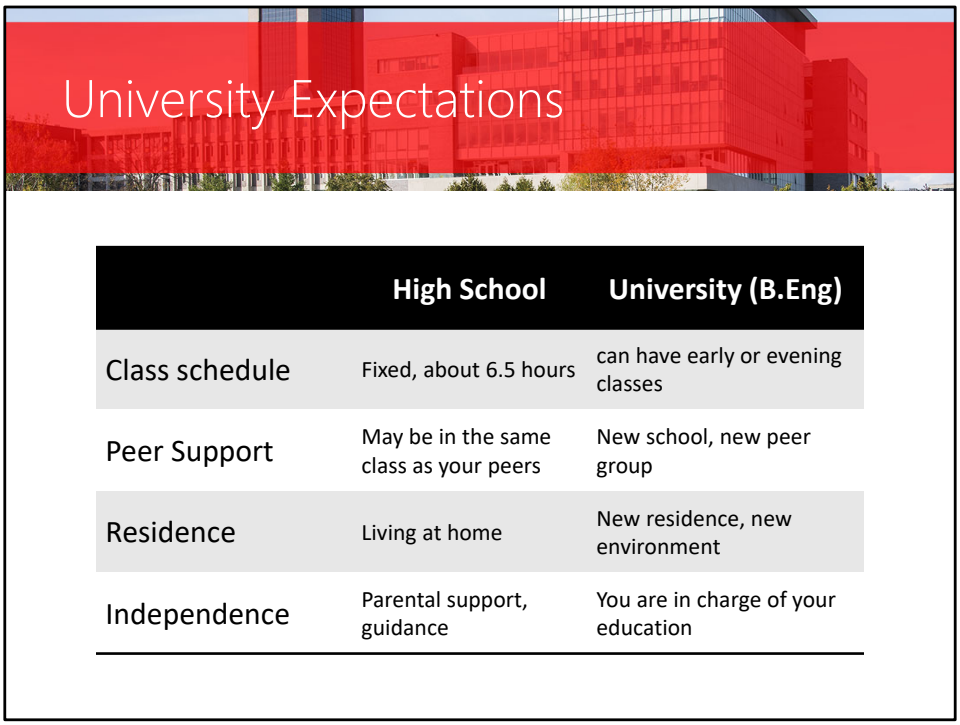
Your instructor has an obligation to all of their students, so you may not receive the care and attention that you are used to in high school. All instructors and their Teaching Assistants will have office hours, where they dedicate that time to helping you in that course.

In high school, the average time commitment for homework, readings, projects is estimated to be around 5 – 10 hours per week. You can expect a lot more in university, with the average of 25-30 hours per week in engineering.

In high school, you may be used to extensions, accommodations or in general, more time for your studies and deliverable. You won't often see flexibility in your class deadlines, even with late submissions, heavy penalties often will be attached. It is your responsibility to keep on top of your work and deadlines, any tests or evaluations as you will likely receive no reminders.

Expanding on deliverables, you will see that you have a tutorial or lab associated with your

engineering classes, that will also have a form of evaluation every week. These can be lab submissions, tests, assignments and or quizzes, all of which you will need to manage and keep on top of. I will also provide some resources on helping you take charge of your workload, and developing effective time management.




| | High School | University (B.Eng) |
|---|---|---|
| Class schedule | Fixed, about 6.5 hours | can have early or evening classes |
| Peer Support | May be in the same class as your peers | New school, new peer group |
| Residence | Living at home | New residence, new environment |
| Independence | Parental support, guidance | You are in charge of your education |

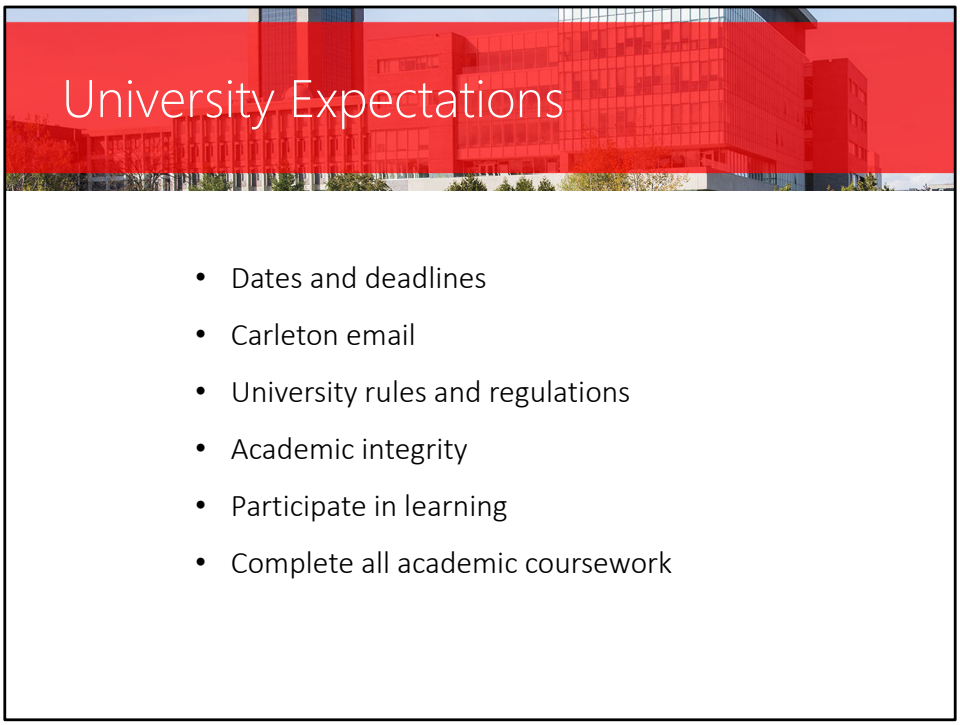
You may have already notice in your first year blocks, your class schedule may look very different from what you are used to in high school. In university, you may have early morning classes starting at 8:30 am, or late evening classes ending at 9pm. You will need to make sure you use any free time to your advantage.

For most students, this will be your first time at Carleton, and you may not had the opportunity to make friends yet. Having a peer group or study group will be beneficial to your academic and personal well-being. Later on, I will talk more about ways to get involved and meet your peers.

In addition to a new school, most first years may be in a new city entirely, or living in residence. This is all a part of the university experience, but it can have an affect if you're not used to being away from home.

Lastly, you are far more independent, now that you are a university student. You are in charge of your education and you need to be able to find and use resources that will help you succeed. You will need to take responsibility and accountability, and move forward with professionalism and integrity.


Now that we've highlighted some of the differences from high school and University life, lets move on to some tips and tricks on Navigating your first year in Engineering.




Firstly, you are expected to know and understand the following:

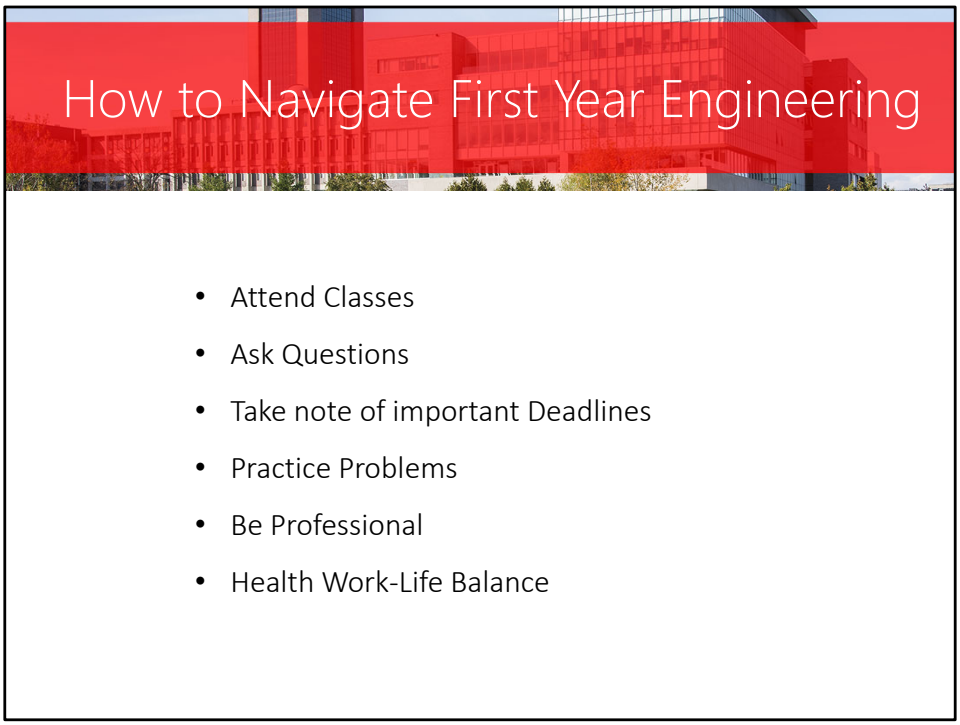
You are expected to know Dates and deadlines either published by the university such as registration and drop deadlines, or important due dates for your courses.

You are expected to regularly check your Carleton email, or CMAIL. All university communications will be conducted through your cmail, and your professors will only respond to inquiries by cmail as well. You can either have it added to your preferred emailing app, or forward all emails to your personal one as well.

You are expected to understand and accept University policies and regulations, in addition to engineering specific regulations

You are expected to understand the principles of academic integrity and what constitute as plagiarism or an academic offence.

You are expected to participate in your learning and complete all academic course work.




Here are some things to keep in mind when starting your first year, and the rest of your degree.

This may seem obvious, but you need to attend your classes. Physically attending your classes helps you keep focus and gives you the opportunity interact and participate as well.

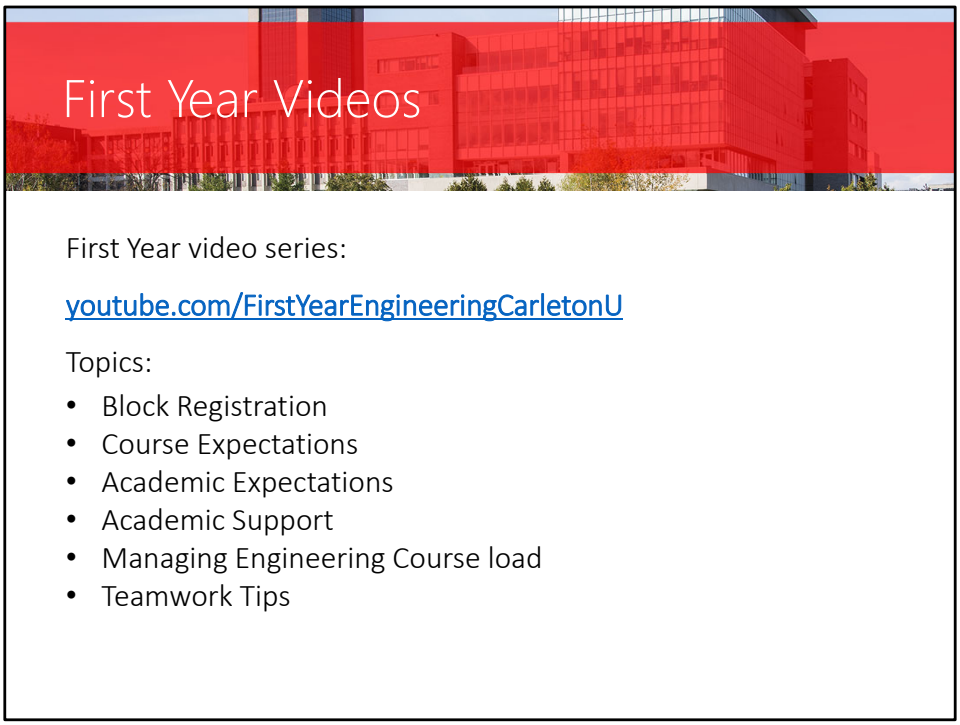
Don't be afraid to ask questions, it may seem daunting in a class of 300 but chances are, someone else will have the same question and can benefit with greater explanation. You are also not limited to class time to ask questions, your professors and TAs are available via office hours and email. They are here to ensure you understand the concepts being taught.

Make sure to take note of important deadlines, such as tests, assignments, even just weekly reminders to log in and complete your ECOR 1056 and ECOR 1057 work. Keeping a calendar of important dates will help you stay on top of your priorities.

Practice, practice, practice! A majority of your classes will have practice problems and solutions – these are very effective learning tools to help you apply what you've learned and can further your understanding of the concepts. Always make time to do practice problems.

Maintain your professionalism always. You are constantly meeting new people and facing new challenges. It is important to maintain your professionalism to ensure positive first impressions, successful interpersonal relationships and a lasting reputation.

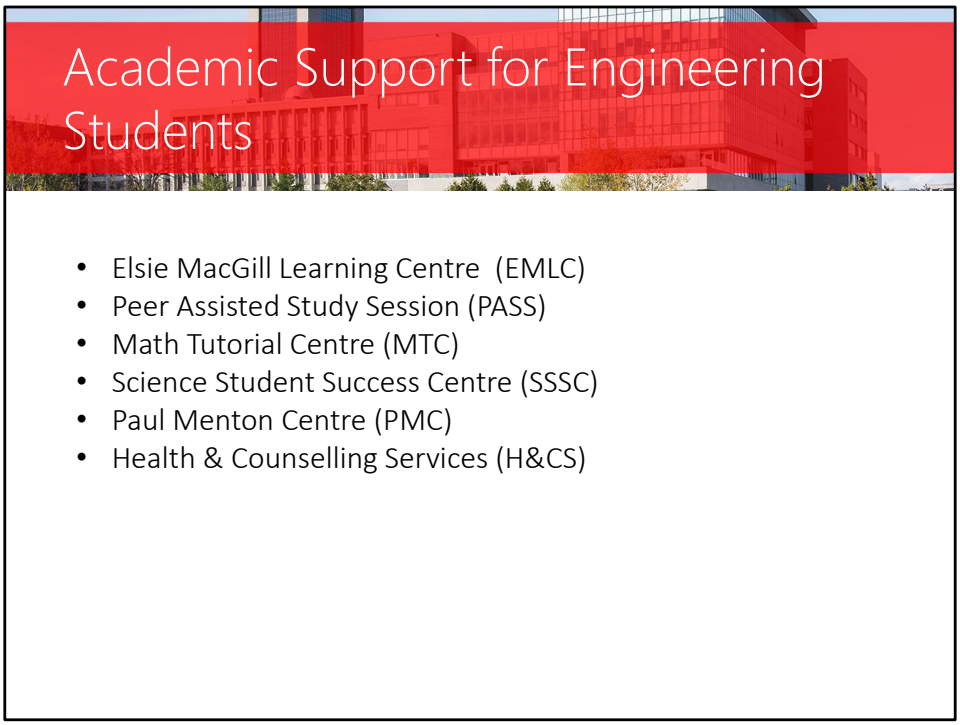
Most importantly, you need to maintain a healthy work life balance. I know it can be easy losing track of time with the busyness of school, so be sure to set some time everyday or week, that is dedicated to your hobbies, social outings or just having time to decompress.



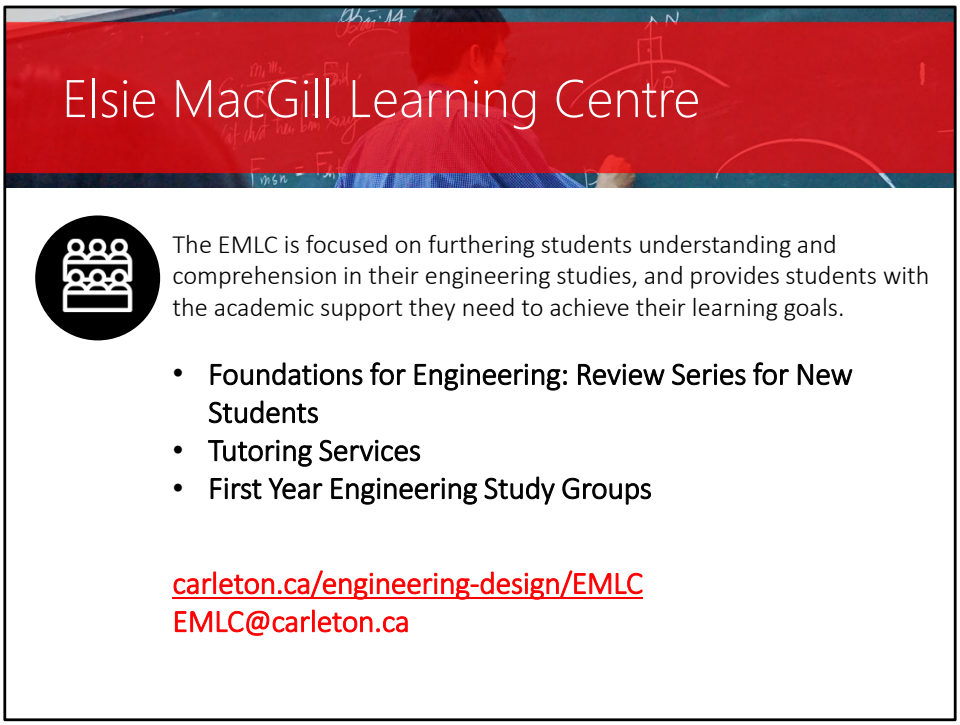

For more tips and strategies on starting your first year, we have prepared a series of First Year videos covering the following topics:

1. Block Registration if you haven't already completed your registration
2. Course and classroom expectations
3. Academic Expectations
4. Academic Support and where to get it
5. Managing an engineering course load
6. Teamwork tips

These videos are also available on your first year engineering page.



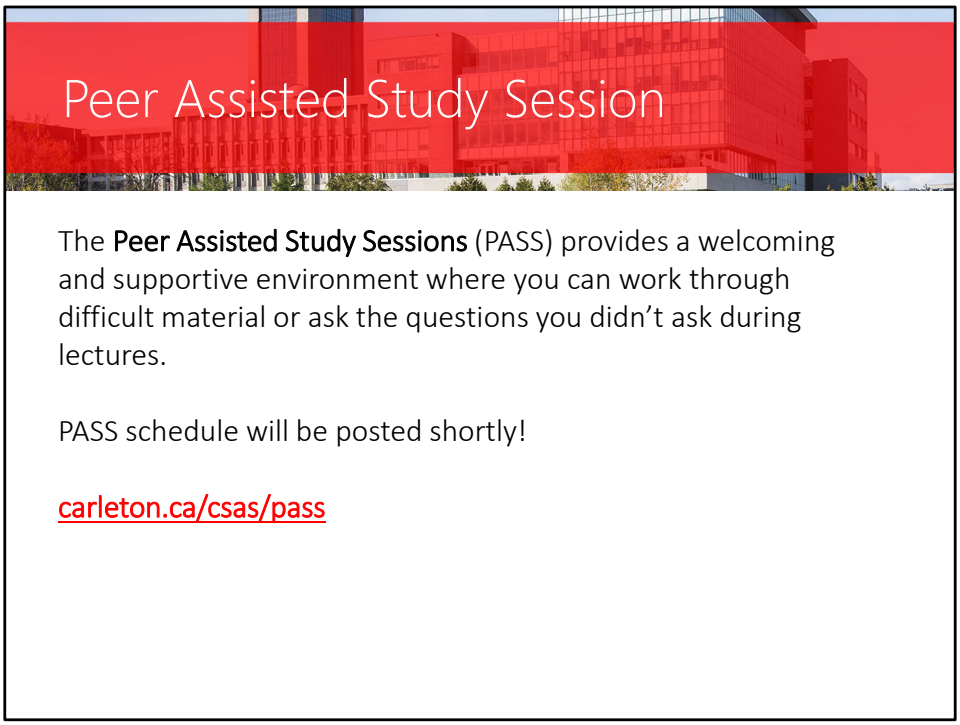

In addition to your professor and teaching assistants, there are several services at Carleton focused on helping you succeed – both in academics and in your personal health.




**The Elsie MacGill Learning Centre, named after the Queen of Hurricanes herself, is a free tutoring service for students taking first year engineering courses.**

**Tutoring Services**
Whether you have a quick question, need assistance with a practice problem, or just need a fresh explanation of content that was covered in class; our Engineering scholars are here to help with your first-year ECOR, MATH and science (CHEM&PHYS) courses. The service is **free** to use and is available to all first-year engineering students.
You should have been sent an email to your Carleton email address inviting you to join our tutoring platform.
Fall 2022 tutoring sessions will be available for in-person and virtual platforms.

**First Year Engineering Study Groups**
The Elsie MacGill Learning Centre can also help you find a study group – all you need to do is let us know you're looking to connect and submit a webform. Once you submit the webform, we'll match you with other first year students who are in your program/courses.




Another study service offered by Carleton, the Peer Assisted Study Session, or PASS.

Pass provides a welcoming and supportive environment where you can work through difficult material or ask the facilitator questions you didn't get to in class. The facilitators are fellow students who has taken the course previously and achieved a high grade, and it's important to note that the facilitator does not re-lecture, but instead encourage students to collaborate and promote independent learning. They will also run workshops, office hours and mock exams when needed.

Please note that not all courses will have a Peer Assisted Study Session. This service is typically attached to historically challenging courses.

If available, the PASS Facilitator will introduce themselves in the first week of your lecture and provide relevant information. A list of courses with PASS available will also be published on the weblink.

## Math Tutorial Centre

The **Math Tutorial Centre** (MTC) is a study space for students who wish to study mathematics or statistics individually or in a group. Teaching assistants are available at the Big Blue Button (BBB) to answer questions about math and statistical concepts, techniques and methods.

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

Offered by the School of Mathematics and Statistics, the Math Tutorial Centre 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. For more information, please visit the link on your screen.

## Science Student Success Centre

The **Science Student Success Centre** (SSSC) helps students define and achieve their academic, career, and social goals. The SSSC provides helpful mentorships, workshops, and resources guided towards assisting students in their science courses.


sssc.carleton.ca/

The Science Student Success Centre is available to 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.

## Paul Menton Centre

The **Paul Menton Centre** (PMC) is responsible for accommodating students with different abilities.

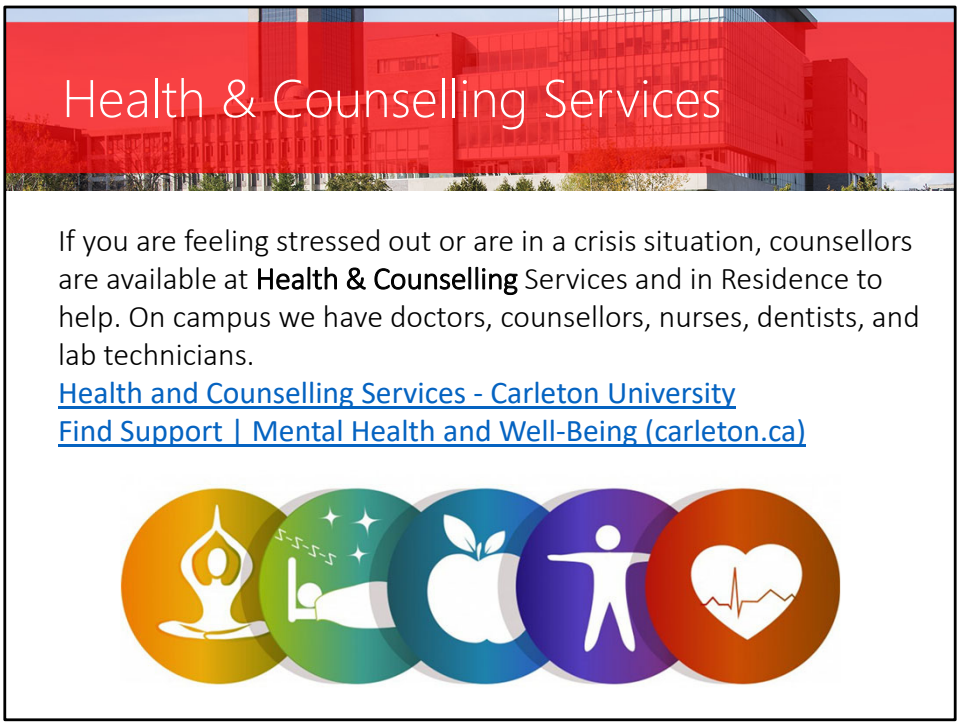
These services include academic accommodation and attendant services for students with mobility requirements.

carleton.ca/pmc


If you need additional accommodations, The Paul Menton Centre is the designated department for coordinating disability services on campus.
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, it may be worth reaching out to a PMC coordinator to see what they can do for you.

The PMC also needs volunteer notetakers, where volunteers attend lectures and comprehensive notes to be made available online within 48 hours for students who require it. The PMC is always looking for volunteers to help with transforming Carleton into an inclusive environment.




Lastly, Carleton has a readily available Heath and Counselling Services for all students.

We cannot stress enough, Engineering is a very demanding academic program > Please make sure you reach out for help as soon as you need it!

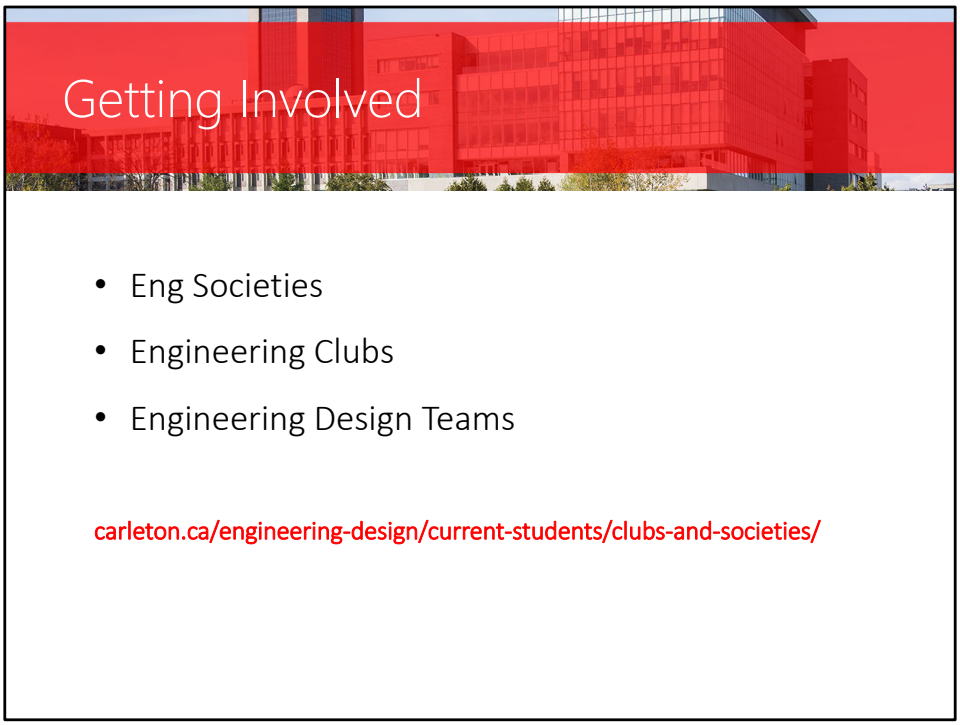
The Health and Counselling services is multidisciplinary healthcare facility that provides medical services and counselling services to Carleton students. They offer walk-in hours, appointments for psychiatrists, counsellors and registered nurses to provide comprehensive services.

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.

It is not uncommon for students to find that their coping strategies for managing stress aren't sufficient when faced with University stressors > The Health and Counselling team is here to help


Now we will talk about the many was to get involved in engineering! While Carleton offers one of the largest selection of clubs and societies in Canada, this section will talk mostly about engineering specific groups.

We cannot stress enough the importance of peer support and social connections during your engineering studies. This would be an excellent way to meet new people, try new hobbies and earn new experiences.




These clubs and societies are also a great way of meeting some upper year students who have been in the same boat as you, and can offer further insight to help you succeed.

In engineering there are three types of social groups, Engineering Societies, which are typically program based. Engineering Clubs for all engineering students who share a common interest, and engineering design teams – these are typically teams working towards a competition with other universities and schools.

A list of all engineering specific groups can be found in the link on your screen.


First we have the Carleton Student Engineering Society.

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

CSES provides engineering students with resources such as textbook trade, equipment load, networking opportunities and more! They also host the Carleton Engineering Competition, which is open to all years.
CSES also hosts workshops, socials and manages Leo's lounge, a canteen and convenience store stocked with affordable foods.

## Ontario Engineering Competition

Every Fall, students can participate in the Carleton Engineering Competition. During the Winter semester the Winner's of the Carleton Engineering Competition compete at the **Ontario Engineering Competition**. Competitions are held for Jr. Design, Sr. Design, Consulting, Communication, Debate, Innovative Design and Programming.

As previously mentioned, CSES hosts the Carleton Engineering Competition.

The Carleton engineering competition in the Fall term is a qualifier to the Ontario engineering competition (OEC) in the winter. The top teams of the Carleton Engineering competition are entered in OEC in their respective categories; Junior Design, Senior Design, Consultation, Communication, Debate, Innovative Design and Programming.

Similarly, the Top teams of the OEC are then eligible to compete in the Canadian Engineering Competition.


Next we have the Engineering Societies.

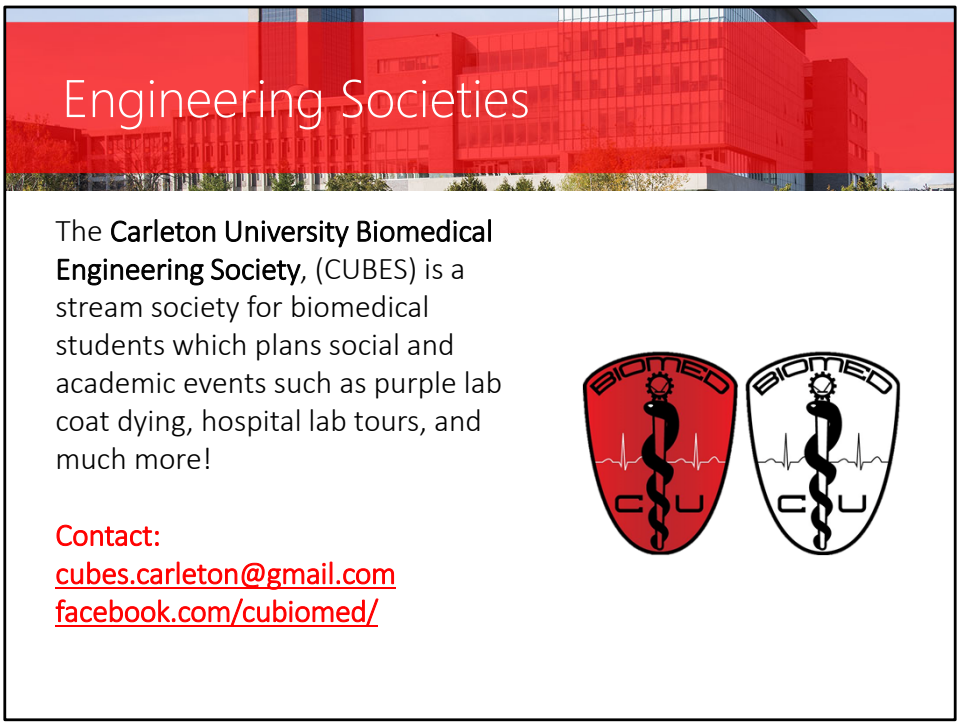
Each engineering program has their own Carleton society representation. These engineering societies provide study space, department specific events and net working, academic support and social events. Some also provide equipment loans for specific classes.

Here we have CMAS, 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.


The Canadian Society for Civil Engineering, Carleton Chapter – or CSCE for short, is the departmental society for Civil, Environmental and Architectural Conservation and Sustainability engineering students. They plan academic, social and professional events for the engineering community, and provide access to the Canadian Society for Civil Engineering annual conference.


The Systems and Computer Engineering Society, or SCESoc hosts events for students in systems and computer engineering such as study sessions, all night program competitions and more.


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




The Carleton University Biomedical Engineering Society, CUBES, is a stream society for both Biomedical Mechanical and Electrical students providing events such as the famous coat dying and hospital lab tours.

# Engineering Societies

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

Sustainable and Renewable Energy Engineering Society

Contact:
info@sree-society.ca
facebook.com/SREESoc/


The Sustainable and Renewable Energy Engineering Society (SREESoc) includes both streams of SREE students, and plans social and professional events such as the annual Green Energy Symposium.


In addition to engineering societies, Carleton engineering also have clubs where students come together to share a common interest and goal. Here are some examples:

- Emerging Green Professionals – Carleton Chapter
- Engineers Without Boarders – Carleton Chapter
- Carleton University Women in Science and Engineering (CU-WISE)
- Carleton University EngiQueers (CUE)
- C-ENG Musical
- cuHacking


Carleton Engineering also hosts dozens of engineering design teams for regional and national competitions.

Here are some of the more popular ones,

- Blackbird UAV – Carleton's Unmanned aerial vehicle
- CU InSpace – Carleton's rocket team
- Carleton Planetary Robotics Team – Carleton's rover
- Great Northern Concrete Toboggan Race
- Ravens Racing – Carleton's racecar team
- Troitsky Bridge Building competition


Other student run services include CUSA, which is the Carleton University Student's Association. They offers many services and resources to support students including but not limited to:

- 9 available service centres
- Hundreds of on campus clubs
- Health and dental plan for students
- Free printing
- Businesses (Ollie's, Roosters, and Haven books & café)


Our office, the Engineering Academic Support office and the ECORsupport team is here to help you succeed. We are available by email, phone and in-person visits, please do not hesitate ask any and all questions you may have.

Have a great first year of Classes!