

Master of Engineering (MEng) Program - ECE Department

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Focused on MEng Program

Focused on MSc and PhD Programs

MEng Specialization Areas

There are 8 areas of MEng specialization:

- Communications
- Signal & Image Processing
- Software Engineering & Intelligent Systems
- Integrated Circuits and Systems
- Solid State Electronics
- Computer Engineering
- Control Systems
- Energy Systems

MEng Course Selection

Course requirement to graduate: **8 grad courses in total**

- 1) 4 Core Courses** – at least 4 core courses from your specialization
- 2) 4 Electives** – up to 4 grad courses within ECE; up to 2 technical grad courses from the Faculty of Science or other departments in the Faculty of Engineering; up to 2 Engineering Management grad courses
- 3) INT D 710 Ethics and Academic Citizenship** – It is mandatory to be completed in the first year (Fall or Winter term)
- 4) ECE 910 Capstone Project** – You are not allowed to take ECE 910 in the first term. It is generally taken in the final term. *Note: INT D 710 & ECE 910 do not count toward 8 courses requirement.*
- 5) IDP and PD** – has been discussed today (GPS presentation); we will send out more specifics via email shortly

MEng Course Selection

Previously, MEng course selection was done through eclass. Now, we have migrated to course plan forms submitted via email. This was changed for consistency with MSc, PhD programs and also for better tracking.

If you haven't already, submit course plan form ASAP!

Up-to-date listing of MEng core courses available at:

<https://www.ualberta.ca/en/engineering/media-library/dept-electrical-computer-engineering/graduate/grad-docs/2024-2025-meng-core-course-list.pdf>

Enter your course plan into this table (including INT D 710 and ECE 910):

	Fall Term	Winter Term
1st Year		
2nd Year		
3rd Year		

Course Plan Form

Other Important Information

Potential plans for your program:

- 1 Year - 1st term: 4 courses, 2nd term: 4 courses + ECE 910 (**very intense**, not recommended)
- 1.5 Year - 1st term: 3 courses, 2nd term: 3 courses, 3rd term: 2 courses + ECE 910
- 2 Year - 1st term: 3 courses, 2nd term: 3 courses, 3rd term: 2 courses + 1 extra-to-degree-course, 4th term: ECE 910 (**extra course requires departmental and GPS approval**)

You need to be enrolled in at least 3 three-credit courses per term to maintain full-time registration status. International students must be full-time except for the final term

A minimum GPA of 2.7 is required for graduation. A GPA falling below 2.7 will lead to **academic probations with conditions**

Ensure that you add/drop any courses before the registration deadlines of the Fall and Winter terms (**Sept. 16 & Jan. 17**) to avoid fees. The 50% withdrawal fee deadlines are **Oct. 3 & Feb. 5**. The deadline to withdraw from a course after those dates to avoid a failed grade and probation is **Dec. 3 and April 2**

GPA Considerations

$$GPA = \frac{\sum(\text{Grade Point Value})(\text{Credits})}{\sum \text{Credits}}$$

- C+ or above = Pass For Grad Students
- Most ECE graduate courses are 3 credits

Descriptor	Letter Grade	Grade Point Value
Excellent	A+	4.0
	A	4.0
	A-	3.7
Good	B+	3.3
	B	3.0
Satisfactory	B-	2.7
	C+	2.3
Failure	C	2.0
	C-	1.7
	D+	1.3
	D	1.0
	F	0.0

New Course: ENGG 700

ENGG 700 Technical & Professional Communication is a new course being offered starting this fall term. It is specifically designed for the MEng Program.



New Course! ENGG 700

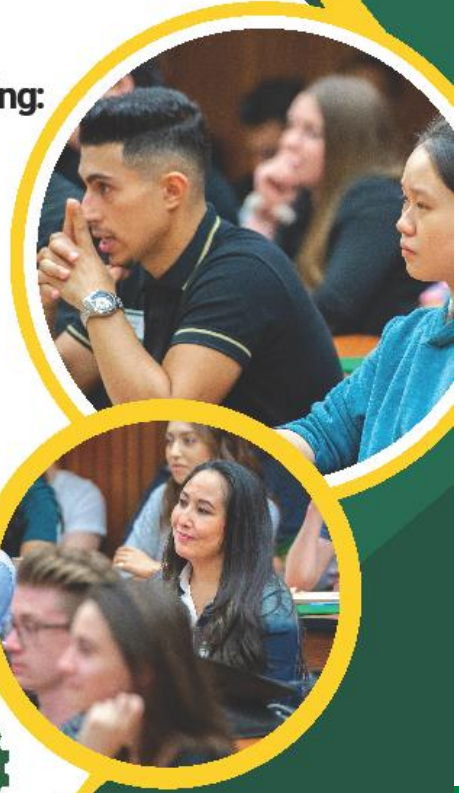
Special Topics in Engineering:
Technical & Professional
Communication

Fall 2024 Term
Fridays 11:00 a.m. - 1:50 p.m.
SAB 4-36

This course introduces course-based master's students in Engineering, in particular MEng students, to the fundamentals of effective technical and professional communication necessary for a career in engineering.

For More Information
Please Contact

tcattral@ualberta.ca



MEng Seminar Series

A new seminar series is being offered for MEng students, where successful industry professionals will come to speak about their transition from academia to industry.

This is a great opportunity to network with local industry members, including some with MEng degrees.

5 planned seminars for Sep-Dec 2024.

New MEng Seminar Series!



The Faculty of Engineering is delighted to announce a new seminar series for MEng students.

We have invited successful industry professionals currently employed in Edmonton each of whom holds a master's degree (in most cases an MEng degree), to tell us their story in achieving success from university to a rewarding career in industry. In doing so, our speakers will offer you advice on how to best prepare for what lies ahead.

All seminars will take place in DICE 8-207 from 3:30 - 4:30pm according to the following schedule. Light refreshments will be provided

SEP 4

Introduction to the Series: **WHAT'S IT ALL ABOUT?**
Come be a part of this exciting new initiative!

SEP 26 - Cam Franchuk, DIALOG

OCT 10 - WorkSpark

NOV 7 - Andrea Sedgwick, Ledcor Research Chair,
Centre for Oil Sands Sustainability

NOV 21 - Eva Cheung, City of Edmonton

DEC 5 - Zion Yua, Thurber Engineering

JOIN US: Broaden your exposure to new ideas; participate in open discussion and interaction.....and have some **pizza!**

Thank You For Attending!



Please contact ecegadv@ualberta.ca if you have any further questions or concerns about the MEng program.