

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 several areas of MEng specialization:

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

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

MEng Course Selection

Course plan forms are to be submitted via email. This is for consistency with MSc, PhD programs and also to help ensure 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/electrical-computer-engineering/graduate-studies/current-student-resources/graduate-level-courses.html>

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. 15 & Jan. 16**) to avoid fees. The 50% withdrawal fee deadlines are **Oct. 2 & Feb. 4**. The deadline to withdraw from a course after those dates to avoid a failed grade and probation is **Dec. 2, 2025 and April 3, 2026**

GPA

Considerations

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

- 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

Thank You For Attending!



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