



## Student Status

Full-time students in the MEng program are normally registered during the Fall and Winter terms (September to April) with a regularly scheduled break during Spring/Summer terms (May to August).

Students will be considered full-time if they enroll in minimum of 2 courses (6 units) per term during each of the Fall and Winter terms.

## Academic Standing

B- is the minimum passing grade for students enrolled in graduate programs at the University of Calgary. A student who receives a C+ or lower in any course will normally be required to withdraw from the program.

Students are also required to maintain a minimum Grade Point Average (GPA) of 3.0/4.0, each year. A student whose GPA is lower than 3.0 at the time of their registration anniversary will normally be required to withdraw from the program.

## University of Calgary Calendar

Please refer to the University of Calgary Graduate Calendar for more detailed information on program regulations and requirements. The Graduate Calendar is available on-line at [University of Calgary: Calendars \(ucalgary.ca\)](https://ucalgary.ca/graduate-calendar)

*Created: March 2024*

*Last updated: August 2024*

## Course based MEng programs in Geomatics Engineering

### MEng in Geomatics Engineering

#### YEAR 1

ENGG core	1	required	<b>ENGG 661*</b>	Introduction to Geospatial Data Analytics	Fall
ENGG core	2	required	<b>ENGG 680</b>	Introduction to Digital Engineering	Fall
ENGO core	3	required	<b>ENGO 634*</b>	Principles of Photogrammetry	Winter
ENGO core	4	required	<b>ENGO 650*</b>	Satellite Positioning	Winter
ENGG core	5	required	<b>ENGG 683</b>	Innovation and Entrepreneurship	Winter

#### YEAR 2

ENGO core	6	required	<b>ENGO 641</b>	Design and Implementation of GIS	Fall
ENGO core	7	required	<b>ENGO 664</b>	Data Analysis in Engineering	Fall
Option (1 of 2)	8	option	<b>ENGG 684</b>	Introduction to Project Management	Fall
Option (1 of 2)	8	option	<b>ENGG 687</b>	Ethics, Law, the Engineering Profession	Fall
Option (choose 2 out of 4)	9, 10	option	<b>ENGO 659</b>	Digital Imaging and Applications	Winter
Option (choose 2 out of 4)	9, 10	option	<b>ENGO 645</b>	Spatial Databases and Data Mining	Winter
Option (choose 2 out of 4)	9, 10	option	<b>ENGO 651</b>	Advanced Geospatial Topics	Winter
Option (choose 2 out of 4)	9, 10	option	<b>ENGG 686</b>	Climate Change Adaptation for Engineers	Winter

\*For students with an undergraduate degree in Geomatics Engineering, ENGG 661, ENGO 634 and ENGO 650 may be replaced with any other ENGO 600-level course.

## Theme 1: Cadastral Surveying\*

### YEAR 1

ENGG core	1	required	<b>ENGG 680</b>	Introduction to Digital Engineering	Fall
ENGO core	2	required	<b>ENGO 641</b>	Design & Implementation of GIS	Fall
ENGO core	3	required	<b>ENGO 652</b>	Geodetic and Engineering Surveys	Fall
ENGO core	4	required	<b>ENGO 634</b>	Principles of Photogrammetry	Winter
ENGO core	5	required	<b>ENGO 650</b>	Satellite Positioning	Winter
Elective	6	required	<b>ENGO 654</b>	Land Tenure and Cadastral Systems	Winter

### YEAR 2

Option (1 of 2)	7	option	<b>ENGG 684</b>	Introduction to Project Management	Fall
ENGO core	8	required	<b>ENGO 669</b>	Survey Law and Practice	Fall
ENGO core	9	required	<b>ENGO 656</b>	Hydrographic Surveying	Fall
Option (1 of 2)	7	option	<b>ENGG 683</b>	Innovation and Entrepreneurship	Winter
Elective	10	required	<b>ENGO 668</b>	Land Use Planning	Winter

\*Students interested in pursuing this theme or any related coursework are required to consult with the MEng ENGO Graduate Program Director prior to course selection.