



## Master of Engineering (MEng) in Software Engineering Program Course Requirements 2023-2024

### Student Status

Graduate calendar states that students in course-based credentials (i.e., certificates, diplomas, or master's degrees) will be considered full-time if they enroll in 6 units or more per term during each of the Fall and Winter Terms and 3 units or more per term during each of the Spring and Summer Terms.

Full-time students in the MEng (course-based) program are registered during the fall and winter terms (September to April) with a regularly scheduled break during Spring/Summer terms (May to August). To maintain the full-time status, students need to be enrolled in minimum 2 courses (6 Units) per fall and winter terms.

## MEng in the Department of Electrical and Software Engineering

Calendar entry for courses:

<https://www.ucalgary.ca/pubs/calendar/grad/current/engineering-electrical-and-computer-enel.html>

### MEng in Electrical Engineering with Software Engineering Specialization (1 year program)

#### YEAR 1

Foundation courses	1	required	<b>ENSF 692</b>	<i>only required for non Software engineering background</i>	Spring
Foundation courses	2	required	<b>ENSF 693</b>	<i>only required for non Software engineering background</i>	Spring
Foundation courses	3	required	<b>ENSF 694</b>	<i>only required for non Software engineering background</i>	Summer
ENSF core	4	required	<b>ENSF 607</b>	Advanced Software Development and Architecture	Fall
ENSF core	5	required	<b>ENSF 608</b>	Databases	Fall
ENSF core	6	required	<b>ENSF 611</b>	Machine Learning for Software Engineers	Fall
ENSF core	7	required	<b>ENSF 612</b>	Engineering Large Scale Data Analytics Systems	Fall
ENSF core	8	required	<b>ENSF 614</b>	Advanced System Analysis and Software Design	Fall
ENSF core	9	required	<b>ENSF 609</b>	Team Design Prioject in Software Engineering 1	Winter
ENSF core	10	required	<b>ENSF 610</b>	Team Design Prioject in Software Engineering 2	Winter
Option (at least 1 of 2)	11 or 12	option	<b>ENEL 645</b>	Data Mining and Machine Learning	Winter
Option (at least 1 of 2)	11 or 12	option	<b>SENG 637</b>	Dependability and Reliability of Software Systems	Winter
Option (at least 1 of 4)	12 or 13	option	<b>ENGG 681</b>	Engineering Tools	Winter
Option (at least 1 of 4)	12 or 13	option	<b>ENGG 683</b>	Innovation and Entrepreneurship	Winter
<i>Option (at least 1 of 4)</i>	<i>12 or 13</i>	<i>option</i>	<b>ENGG 684</b>	<i>Project Management for Engineers</i>	<i>Fall</i>
<i>Option (at least 1 of 4)</i>	<i>12 or 13</i>	<i>option</i>	<b>ENGG 687</b>	<i>Ethics, Law and the Engineering Profession</i>	<i>Fall</i>