FAQs

Master of Engineering in Electrical and Computer Engineering
(Software Engineering Specialization)

Looking for program details? Here's an easy reference guide with answers to our most frequently askeded questions.

COURSES AND SCHEDULING

When can I apply?
Applications are open until November 15 for international students and January 15 for Canadians and permanent residents.

When do classes begin for the master's degree in software engineering?
Boot camp classes start in May, while our master's level courses commence in September.

What will the schedule be like?
At UCalgary, professionals looking to grow their software development education have many options. This is a full-time, daytime degree program.

Can I enroll part time?
In order to complete the degree in the short time-frame that is one of its biggest appeals, the program requires a full-time commitment.

Where will classes be held?
All classes will be held on the University of Calgary's main campus. Many of them will be held in the brand new Canadian Natural Resources Limited Engineering Complex. With bright study spaces, student design labs, great academic support and more.

Will courses be offered online?
In order to benefit from the hands-on nature of our software engineering master's program, the courses will be offered in-class only.

How long will it take me to get my degree?
For students with no software experience, the program will take three terms or 12 months. For students with a degree in software engineering, the program could be completed in as few as eight months.

I don't have a software engineering background. What will I learn in boot camp?
We're here to help every step of the way. We offer a team-based approach where you can learn alongside other non-software engineers. We have free tutors available and dedicated study spaces to ensure you are set up for success.

Through a series of courses, we will teach you fundamental programming and software development concepts. You will develop programming skills through hands-on projects using programming languages C, C++, Java and Python. You'll learn skills in program design, programming and application of common data structures, and develop strategies and tools for testing and debugging.

What courses are being offered?
Students without a software engineering background are required to complete:

BOOT CAMP COURSES
- Programming Fundamentals (C)
- Programming Fundamentals (Python)
- Principles of Software Development (Java)

Students who have completed the boot-camp courses or who have a software engineering degree, or an electrical and computer engineering degree with previous software experience, are required to complete 10 courses.

PROGRAM COURSES
- Introduction to Project Management
- Innovation and Entrepreneurship
- Software Engineering Fundamentals
- Software Design and Architecture
- Data Engineering
- Engineering Large-Scale Analytics
- Systems Dependability and Reliability of Software
- Data Mining and Machine Learning
- Web Development
- Team project: Students will all take part in a team design project where they will put their new software engineering skills to the test either working with industry or pursuing their own innovative solution.

REQUIREMENTS

What are the admission requirements?
To be eligible for this program, student requirements include:
- A four-year bachelor of engineering degree from an accredited university
- 3.0 out of a 4.0 GPA scale over the last two years of your degree
- English language proficiency requirements if your degree is from outside of Canada

If you have questions about whether your qualifications fulfill program requirements, please contact us.

TRANSCRIPTS

What is the difference between an "unofficial transcript" and an "official transcript?"
Unofficial transcripts (those uploaded or supplied by the student) can be used to evaluate an admission application to speed up the admission process. You can upload your unofficial transcripts in your Student Centre, which is accessible with your student ID. Admission would then be offered contingent on the receipt of your transcripts by the deadline. Official transcripts are those received by the University of Calgary directly from the issuing institution.

Where do I mail my transcripts?
Official transcripts are to be sent in a sealed envelope or directly emailed to the program by the issuing institution. Request your transcripts to be sent to:

> **MEng Graduate Program, ENC 205**
> Schulich School of Engineering
> 2500 University Drive NW
> Calgary, AB T2N 1N4

When transcripts are made avaliable online, the transcript retrieval instructions should be sent directly to the program administrator (meng@ucalgary.ca) by the institution. We must be able to download the transcript from a secure site using a unique link/password (not as an email attachment).

Can I send transcripts via World Education Service (WES)?
We do not accept transcripts through WES or any other third-party service.

MEng Graduate Program
Schulich School of Engineering
University of Calgary
403.220.2001
meng@ucalgary.ca
schulich.ucalgary.ca