



ENGINEER YOUR WAY TO A NEW CAREER

One-year master of software engineering

The University of Calgary offers a unique Master of Engineering in Electrical and Computer Engineering (MEng) with a specialization in software engineering. The in-depth, course-based MEng program is designed for students with an engineering degree — with or without a software background.



WHY SHOULD I STUDY SOFTWARE ENGINEERING IN CALGARY?

All industries, from farming and city planning to oil and gas, are relying on software-engineering-based technologies to increase efficiencies and advance innovation. Demand for software engineers is growing — exponentially. In addition, Alberta has the top-paid software engineers in Canada. The province's median income for a software engineer is \$100,000, according to Engineers Canada.

This is the ideal time to upgrade your skills and take your career to the next level.

IS THIS PROGRAM RIGHT FOR ME?

If you have an undergraduate engineering degree and would like to develop the advanced software-engineering skills employers are looking for — this program is for you.

- For software-engineering graduates, we offer an eight-month, fast-track option where you develop advanced skills in big data analytics, machine learning, web development and systems design.
- For other engineers, we offer a 12-month program with a customized boot camp to get you started. During the fall term you'll build basic software-engineering and programming skills before moving into advanced courses.



WHY SHOULD I TAKE THIS PROGRAM?

Our full-time, course-based master's degree in software engineering offers three in-demand components:

1. You will add new, advanced-level software engineering skills to your current engineering experience.
2. You'll then apply those skills to engineering, big data analytics, machine learning, web development, systems design and more.
3. You will develop in-demand, professional skills in project management, innovation and entrepreneurship.

WHAT CAN I DO WITH THIS DEGREE?

Become a product manager with a software service provider. Use your combined engineering background and new software-engineering skills to bridge the knowledge gap between software development and technical domain specialists. Or, pursue an applied data-analytics role with an energy producer. Leverage your skills in the design and implementation of process flows, data management, and data integration to optimize systems and processes in your current field. Whatever your career aspirations are, the software engineering master's will expand your career opportunities.

WHAT ELSE DOES THIS PROGRAM INCLUDE?

Courses include:

- Software design and architecture
- Data engineering
- Engineering large-scale analytics systems
- Data mining and machine learning
- Dependability and reliability of software systems
- Web development
- Project management
- Innovation and entrepreneurship

In addition to enhancing your technical skills, you will also learn how to apply project-management principles to software development. Learn how to plan and organize the scope and resources of a project, and how to handle human resource issues.

Our program is also focused on giving you hands-on experience. All students will complete a team design project, either working with industry or pursuing their own entrepreneurial idea. This project allows you to put both your software-engineering and professional skills to the test.

HOW MUCH DOES IT COST?

	Boot camp tuition	Advanced courses tuition	Graduate student fees for 12 months
Canadian student	\$1,620	\$7,150	\$1,840
International student	\$5,510	\$16,230	\$1,840

**All fees are in CAD. Fees are subject to change*

For the most accurate information, please review the Academic Calendar.

HOW DO I APPLY?

Visit ucalgary.ca/future-students/graduate/apply

Collect your documents

We require an official transcript of your previous engineering degree.

Gather references

Contact past professors for potential references. We will invite your referees to complete an online reference form after you submit your application.

Begin your application

Create an eID to log in and begin your online application. Once you begin, remember to click 'Save & Continue' often to save your application.

Submit your application

Submit your application and pay your application fee:

- \$125 for Canadians or permanent residents
- \$145 for international students

WHEN IS THE APPLICATION DEADLINE?

There are limited seats available for this exciting new program. Apply right away to avoid missing out on our software engineering master's degree.



MEng Graduate Program Schulich School of Engineering

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SCHULICH
School of Engineering

