



Bachelor of Engineering in Software Engineering

Create your own path with a career in Software Engineering

Do you want a career that allows you to make an impact with one of the fastest growing and in-demand professions in Canada? How about contributing to the growing need for software-based solutions across a variety of industries and professions?

Prepare for a dynamic career with Thompson Rivers University's Bachelor of Software Engineering program

With a focus on skill-based learning and a commitment to small class sizes, the Software Engineering program at TRU provides you with hands-on experience led by industry professionals. By blending engineering, business, computing science, project management and quality assurance, you will receive a well-rounded and multifaceted education that equips you with skills needed for the workplace.

Experience hands-on learning

The program's focus on experiential learning includes two mandatory co-op work terms in the fourth year of the program. This puts you as a student in the position to be a paid employee before graduation and have opportunities to test drive the wide variety of career options available in software engineering.

Career prospects in Software Engineering:

- Software security analyst
- Software quality assurance engineer
- Software application developer
- Software architect
- Data scientists
- Mobile and web developers
- Cloud developers
- Game developer

Major Technology Companies that hire Software Engineers:

- Google
- Amazon
- Apple
- Intel
- IBM
- Oracle
- Facebook
- Microsoft
- Thousands of other IT companies

Admission Requirements

First Year Entry

- BC Grade 12 (or equivalent)
- BC English 12 with a minimum of 73% (or equivalent)
- Pre-Calculus 12 with a minimum of 67% (or equivalent)
- Chemistry 11 with a minimum of 67% (or equivalent)
- Physics 11 with a minimum of 67% (or equivalent)

A TRU STORY

"The year-long co-op placement that is built-in to the Software Engineering program at TRU provided me with invaluable learning experiences. Not only did I develop my technical and interpersonal skills while building my career, but I also have signed a contract for full-time work after graduation as a Software Engineer in software system integration. What I have learned so far at TRU was directly relatable to my field of engineering and work. I am very excited about the courses I am studying and that I can continue to learn and grow as I finish my Software Engineering degree at TRU!"



- Lorelei Guidos, Software Engineering Student

PROGRAM HIGHLIGHTS

The TRU Software Engineering advantage

- Offers strong foundations in principles and practice of software systems development, and related in-demand computing technologies.
- Helps you to develop knowledge of the tools, technical skills and competencies required to design, develop, test and maintain cycles of software products and their practical use-cases.
- Emphasis on hands-on learning practices that apply theoretical concepts to practical problems.
- Co-op work terms to gain relevant paid work experience in the industry.
- One-year design capstone project from real-world industry to gain in-depth experiential learning.
- Work with highly qualified faculty members on state-of-the-art funded research projects.



FIND YOUR TRU

At TRU, be surrounded by stunning panoramic views of rivers, lakes and mountains. Located in the heart of the city, our sprawling campus is close to shopping, entertainment and a spectacular outdoor lifestyle. On campus, enjoy small classes and find it easy to be engaged with your professors and classmates. Learn by doing and take your passion beyond the classroom—whether through co-op placements, applied research, volunteering in the community or studying abroad. Find your path. Find your passion. Find your TRU.

WHO CAN I TALK TO?

Kammi Madsen

Engineering Advisor and Accreditation Coordinator

778-471-8698 | enr@tru.ca

Apply today: tru.ca/se