Bachelor of Technology – Software Development

SCHOOL FOR ADVANCED DIGITAL TECHNOLOGY

Overview

Gain the hands-on skills you need to accelerate your career in full-stack development.

As a student in our Bachelor of Technology - Software Development degree program, you'll design, develop and deploy software solutions that meet the needs of users and businesses.

Guided by our experienced instructors, you'll use the most recent technologies to apply advanced design patterns, algorithms and data structures. You'll learn to create digital platforms that improve user experience and organizational processes.

This major will hone your skills in:

- programming
- web development
- database design
- software testing
- security and more.

You'll get practical experience building software solutions across various industries. You'll grow your critical problem-solving and communication skills through immersive learning opportunities. Finally, you'll develop a growth mindset to stay current with evolving industry standards and innovations.

Upon completing this program, you'll have the knowledge and tools to play a critical role in today's tech-driven economy, helping to improve business processes and shaping how users interact with products, interfaces and applications.

Traits, skills and aptitudes

Those in information technology tend to be innovative, methodical and directive.

You need:

- an analytical mindset
- excellent attention to detail
- strong decision-making and problem-solving skills
- an aptitude for math, science and programming
- patience and persistence
- effective teamwork and communication skills, both verbal and written
- to be comfortable adapting to ongoing change
- to consistently learn and upgrade your knowledge and skillset to keep up with evolving trends and technology
- a strong sense of ethics
- to be highly organized and manage your time well
- to work effectively under pressure.

You should enjoy being creative, working with others, always being precise in your work, creating structure for information and processes, and continuously learning.

SAIT program pathways

Graduates of one of the following SAIT diploma programs with a minimum cumulative 2.3 GPA (67% or C+) meet the admission requirements to enter this program:

- Software Development
- Information Technology - Software Development major

Practicum, Co-op and Work Integrated Learning

As part of this program, you may choose to complete an optional 10 to 12-week full-time co-op or work-integrated learning experience between your first and second year.

You will be expected to secure your own work placement with support from program administrators, who will provide you with resources to find available opportunities. There may be additional costs associated with work placement assistance. Depending on the employer you secure your work placement with, you may be required to temporarily relocate or travel.

Please note: International students are not eligible to register in or participate in optional work-integrated learning opportunities, as optional placements do not meet current IRCC requirements for student work placements.

Accreditations, designations and certifications

Graduates of this program may pursue certifications in platforms like Microsoft Azure or AWS.

Specialized Intakes

This program is available to **international applicants** as a stand-alone program or as part of a program bundle - two programs delivered consecutively.

For details on available bundles including this program, see international bundle programs.

Credentials

Upon successful completion of this program, you will be awarded a Bachelor of Technology degree with a major in Software Development.

Admission requirements

Applicants educated in Canada

Applicants must demonstrate English language proficiency and completion of the following courses or equivalents:

- a SAIT information technology diploma or equivalent from an accredited post-secondary institution, with a minimum 2.3 cumulative GPA (67% or C+), including graduates from the following SAIT diplomas:
  - Software Development
  - Information Technology - Software Development major

Applicants educated outside of Canada

All applicants who were educated outside of Canada must demonstrate English language proficiency and provide proof they meet the program admission requirements with an international document assessment. Find accepted educational documents and assessment options.

SAIT may also accept courses completed at certain international post-secondary institutions.

Costs

2026/27 tuition and fees

The following estimated costs are effective as of July 1, 2026.

The estimated total cost of tuition and fees is based on the suggested schedule of study. Following a modified schedule will impact the fees you pay per semester and may alter final costs.

Domestic Students

Year	Number of semesters	Tuition fees	Additional fees	Total per year

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1	2	$11,070	$1,764.50	$12,834.50
2	2	$11,070	$1,764.50	$12,834.50
			Total cost:	**$25,669**

The estimated total cost of tuition and fees for domestic students is based on the recommended course load per year.

International Students

The program total is based on the estimated amount you will pay if you enter this program during the 2026/27 academic year. The program total amount listed on your letter of admission may appear higher. This amount is your maximum tuition guarantee for the program. SAIT will not exceed this maximum, regardless of changes in tuition and fees between academic years.

Year	Number of semesters	Tuition fees	Additional fees	Total per year
1	2	$27,870	$1,764.50	$29,634.50
2	2	$27,870	$1,764.50	$29,634.50
			Total cost:	**$59,269**

The estimated total cost of tuition and fees for international students is based on the recommended course load per year.

Books and Supplies

Books and supplies are approximately $1,000 per full-time year.

This is a bring-your-own-device program with a power-user hardware and software requirement. See the specific requirements on our computers and laptops page.

Find your booklist on the SAIT Bookstore's website. The booklist will be available closer to the program start date.

Can't find your program or course? The bookstore didn't receive a textbook list. Contact your program directly to determine if they're still refining course details or if you're in luck; no textbook purchase is required this term.