Bachelor of Technology – Cyber Security

SCHOOL FOR ADVANCED DIGITAL TECHNOLOGY

Overview

Boost your tech career with practical education in cybersecurity. In an increasingly digital world, there has never been a better time to enhance your skills and become a cybersecurity professional.

With our Bachelor of Technology - Cyber Security degree program, you'll learn how to anticipate, detect and mitigate cyber threats. Our experienced instructors will guide you through an industry-driven curriculum that covers a range of cybersecurity domains, best practices and cutting-edge technologies.

You'll gain a solid grounding in:

- cybersecurity principles
- networking security
- operations systems
- cryptography basics.

Throughout the program, you'll build the expertise you need to protect computer systems and data successfully.

With practical applications in defensive and offensive technologies, you'll assess system vulnerabilities, manage incident reports and evaluate risks associated with emerging threats.

This program emphasizes critical thinking, strategic communication and a service-oriented mindset. With cybercrime on the rise, you'll play a crucial role in helping organizations implement robust security practices and manage complex cybersecurity challenges in an evolving digital landscape.

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:

- Information Systems Security
- Information Technology Services
- Information Technology - Network Systems major

- Information Technology - Computer Systems major
- Information Technology - Telecommunications 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 the following certifications:

- Certified Information Systems Security Professional (CISSP)
- Certified Ethical Hacker (CEH)
- CompTIA Security+

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.

If you choose the program bundle, you'll complete one of the following diploma programs in your first two years of study:

- Information Systems Security
- Information Technology Services

In the third and fourth years of study, you'll complete the Bachelor of Technology degree, Cyber Security major. After completing both programs, you'll receive both credentials.

You may then qualify for a post-graduate work permit of up to three years.

Bundle program details

Credentials

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

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:
  - Information Systems Security
  - Information Technology Services
  - Information Technology - (Network Systems major, Computer Systems major, Telecommunications 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 outlined above 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
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.