Cyber Security Analyst

SCHOOL FOR ADVANCED DIGITAL TECHNOLOGY

Overview

Are you ready to take your IT career to the next level and become a cybersecurity expert? With cybercrime on the rise and ever-increasing digitalization, there has never been a better time to enhance your skills and join the ranks of cybersecurity professionals.

Our program will equip you with the knowledge and expertise to secure critical data and infrastructure from cyber threats and attacks. Whether you're an IT enthusiast looking to pivot your career, a seasoned professional or a software engineer seeking to stay ahead of the curve, this computer security program is your ticket to success.

This program is for employers interested in developing competencies within their in-house security team. As 51% of training is done in the workplace, your employer must sponsor you for this program.

As a student, you will:

- gain a solid grounding in cyber security risk and compliance
- learn how to respond to and mitigate cyber incidents swiftly
- understand how to safeguard critical data and infrastructure from relentless cyber threats
- acquire the ability to enhance security operations and drive business value.

Taught by industry-seasoned instructors, using an industry-supported curriculum, our program delivers a hands-on and immersive learning experience that covers a range of cybersecurity domains, best practices and cutting-edge technologies. You'll delve into the fascinating world of cyber threats, ethical hacking, vulnerability assessment and more.

As a cyber security professional, you'll be at the forefront of safeguarding digital assets and ensuring your business or organization's resiliency and peace of mind. This field is in high demand and offers competitive salaries and the opportunity to safeguard business operations. Our program can help you get there.

Traits, skills and aptitudes

Those working in the cyber security analysis field tend to be innovative, objective and directive.

You need:

- analytical skills
- speaking and writing skills
- an inquiring and inventive mind
- an eye for details
- patience and an organized approach to troubleshooting
- decision-making and problem-solving skills
- math and science skills
- teaching skills
- time-management skills.

To do well in this field, you should enjoy being innovative, working with others or on your own and being precise in your work.

Practicum, Co-op and Work Integrated Learning

More than half the training in this program will occur in your workplace, providing you with the opportunity to immediately apply what you're learning and gain valuable industry experience.

Accreditations, designations and certifications

Once you graduate, you'll be prepared with the knowledge to challenge exams for the CompTIA Security+, PenTest+, and Network Vulnerability Assessment Professional certification.

Credentials

Upon successful completion of this program, you will be awarded a SAIT Cyber Security Analyst post-diploma certificate.

Admission requirements

Applicants educated in Canada

Applicants must demonstrate English language proficiency and meet the following requirements or equivalents:

- a post-secondary degree or diploma from a recognized university, institute or college, and
- sponsorship from your current employer.

A combination of education and experience may be considered in place of the above, subject to approval by the Academic Chair.

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
1	3.0	$12,240	$2,445.75	$14,685.75
			Total cost:	**$14,685.75**

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

Books and Supplies

Books and supplies are approximately $2,300 per full-time year.

This is a bring-your-own-device program with a power-user hardware and software requirement. The recommended hardware and software requirements are:

- Processor: i7
- RAM: 32 GB RAM or greater
- Storage: 512 GB SSD or greater
- Video card: On-board integrated
- Screen size: 15" or greater
- Screen resolution: 1920 x 1080 or greater
- OS version: Windows 10 or newer, Pro 64-bit with antivirus/malware protection (MacOS is not supported)
- Approximate price (CAD): $1,800

Required textbooks will be discussed in class. You will not need to purchase them ahead of time.