Cyber Security

SCHOOL FOR ADVANCED DIGITAL TECHNOLOGY

Overview

Equip yourself with the skills and knowledge needed to protect networks, systems, and data. In a connected world, security isn't optional. With cyber threats growing more sophisticated and far-reaching, the need for skilled security professionals has never been greater.

Our two-year Cyber Security diploma blends practical learning with a comprehensive curriculum in programming, operating systems, networking, and strategic thinking to prepare you for success in a rapidly evolving information technology landscape. Through guided labs, case studies, and a capstone project, you will learn to identify risks, implement security controls, and respond to incidents with recognized practices and ethical standards.

In this program, you will gain:

- hands-on experience through real-world applications of defensive and offensive security technologies
- a strong foundation in networking, tool construction, and operating systems
- industry-relevant skills and expertise needed to protect data and systems
- an understanding of the pivotal role cyber security plays in safeguarding data and organizations.

Turn your curiosity into capability and prepare for a rewarding career. This Cyber Security program equips you with job-ready skills for roles like network security analyst, cybersecurity consultant, security analyst (SOC), junior penetration tester, vulnerability analyst, systems/security administrator, network security technician, and incident response technician. Your future in this critical field starts here.

Traits, skills and aptitudes

People 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.

You should enjoy being innovative, working with others or independently and doing your work with precision.

Practicum, Co-op and Work Integrated Learning

In your second year, you'll participate in a capstone project where you'll investigate issues across several different areas and propose a solution.

You may also participate in an optional co-op work term between your first and second year, where you can apply what you've learned in a work environment and build relationships with a potential employer.

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

Once you graduate, you'll be prepared with the knowledge to challenge the CompTIA Security+ exam and earn your certification.

Specialized Intakes

International bundle

This program is available to **i**nternational 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'll be awarded a SAIT Cyber Security diploma.

Admission requirements

Applicants educated in Canada

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

- at least 65% in Math 30-1 or 70% in Math 30-2, and
- at least 60% in English Language Arts 30-1 or 65% in English Language Arts 30-2.

SAIT accepts high school course equivalents for admission for applicants educated outside Alberta.

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 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	$14,580	$1,764.50	$16,344.50
2	2	$14,580	$1,764.50	$16,344.50
			Total cost:	**$32,689**

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	$30,090	$1,764.50	$31,854.50
2	2	$30,090	$1,764.50	$31,854.50
			Total cost:	**$63,709**

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 - $1,500 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.

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

Required equipment/tools

You'll require an:

- Electronic kit
- Wireless access point
- Sensor kit
- Computer network port or network dongle
- Cloud computing services subscription (approximately $800 - $1,200 per year.)

Please wait for your instructors to provide further direction before purchasing equipment.