



Cyber Security for Control Systems

The Cyber Security for Control Systems post-diploma certificate program addresses the business risks specific to securing control systems in sectors such as drilling and well sites, power plants, power grid, water plants, manufacturing, production lines, telecommunications, and hospitals.

Many of these systems were previously analog-based, but are currently networked and digital, placing them at greater risk for cyber-attacks. Many of the concepts will be similar to those used to secure information in technology systems, but the training will focus on the specific constraints of securing control systems in the industrial environment.

It is applicable to employees of organizations relying on technology, whether their cybersecurity focus is on information technology (IT), industrial control systems (ICS), cyber-physical systems (CPS), or connected devices more generally, including the Internet of Things (IoT). Thus, while this program is focused on graduates who can improve cybersecurity risk management in control system environments, it can be used by graduates in many organizations - regardless of size, degree of cybersecurity risk, or cybersecurity sophistication - to apply the principles and best practices of risk management to improve safety, reliability, security and resilience of these systems.

Is this the right fit for me?

This is an intensive program requiring a commitment of both time and energy; students who experience success are those who make their education a priority throughout the program.

The ideal candidate for the Cyber Security for Control Systems post-diploma certificate has a previous post-secondary diploma or degree.

You have education and/or work experience in industrial systems (SCADA, PLCs, Instrumentation, etc.) and/or computer networking or related fields.

You understand the importance of cybersecurity and are intrigued by the ways that critical infrastructure and operations technologies can be compromised and want to protect these assets. You have a strong ethical standard and a curious mind.

Credential

Upon successful completion of this program, graduates will receive a SAIT Cyber Security for Control Systems post-diploma certificate.

Admission requirements

Admission dates

This program may not have an intake every semester. See available intakes above.

Intake semester	Semester begins	Applications open	Domestic applications close*	International applications close
Winter 2023	Jan. 9, 2023	March 30, 2022	Oct. 27, 2022	Now closed
Spring 2023	May 8, 2023	June 13, 2022	Feb. 24, 2023	Jan. 23, 2023
Summer 2023	July 4, 2023	Oct. 5, 2022	April 28, 2023	June 20, 2023
Fall 2023	Sept. 5, 2023	Oct. 5, 2022	June 28, 2023	May 23, 2023
Winter 2024	Jan. 8, 2024	March 29, 2023	Oct. 26, 2023	Sept. 28, 2023
Spring 2024	May 6, 2024	June 12, 2023	Feb. 23, 2024	Jan. 22, 2024

*In some instances, domestic applications will be accepted after the application deadline. In that case, the program's intake status will remain open.

Program requirements

Applicants must meet **one** of the following (or equivalent), as well as the English Proficiency requirement*:

- Completion of a two-year diploma or undergraduate degree in information technology, instrumentation, or related technical discipline.
- Three to five years of experience in information technology, instrumentation, or a related technical discipline would also be accepted with approval from the program academic chair. A combination of education and experience will be considered.

All applicants must demonstrate [English language proficiency](#) prior to admission, including students educated in Canada.

SAIT accepts [high school course equivalents](#) for admission. If you don't meet the requirements, consider [Academic Upgrading](#).

SAIT evaluates international documents for admissions. After you've applied, consider our [international document assessment](#) service if your education is from outside of Canada. SAIT may also accept courses completed at certain [international post-secondary institutions](#).

Direct entry: four-step process

Step 1: Read the program information to see the qualities needed for student success.

Step 2: Ensure that you meet all of the admission requirements listed above.

Step 3: [Apply to the program](#) and [submit your transcripts](#).

Admission will be extended on a first-qualified, first-offered basis until the program is full.

Step 4: Continue to monitor your [application status](#) through [mySAIT.ca](#).

You must [submit final transcripts/grades](#) to show you have completed the courses and met the minimum admission requirements by the transcript deadline or your seat will be rescinded.

This program is available to [international students](#), however, program availability may be limited. This program does **not** meet the eligibility criteria for the Post-Graduation Work Permit program.

Get started as an undeclared student

The courses in the Cyber Security for Control Systems part-time program allow for registration into individual courses as an undeclared student without going through the SAIT application process first. It is important that you read the ideal candidate statement above to be sure that you are a good fit for these courses. Also, you must submit a resume to sadt.info@sait.ca to validate the optional courses you should take as part of the program.

You may apply to complete the credential at any time, at which point you will have to submit transcripts for entrance into the credential. You must complete all pre-requisite courses, or apply for a prior learning assessment if you wish to get credit for a required course based on previous education or experience.

Communication during admission

Email is the primary source of communication during the selection process. Ensure your personal email account is managed appropriately to receive our emails, files and communications. We recommend you add the sadt.advising@sait.ca domain to your safe senders' list or you risk missing critical email messages.

When do classes start?

Classes for this program adhere to the following year start and end dates based on the semester the student begins their program.

Classes begin	Year start date	Year end date
Spring 2023	May 8, 2023	Aug. 18, 2023
Fall 2023	Sept. 5, 2023	March 29, 2024

Costs 2022/23

Domestic tuition and fees

Cost per credit: \$515

Year	Number of semesters	Tuition fees	SAIT fees	Saitsa fees*	Total
1	1	\$13,905	\$916	\$553	\$15,374

International tuition and fees

Cost per credit: \$866.48

Year	Number of semesters	Tuition fees	SAIT fees	Saitsa fees*	Total
1	1	\$23,394.96	\$916	\$553	\$24,863.96

*Maximum fee. Actual fees may be less and are based on the number of credits a student takes per semester and whether they opt-out of health and dental benefits.

SAIT fees

- Campus athletic and recreation fee: \$196
- Universal transit pass (Upass): \$320
- Student support fee: \$200
- Student technology fee: \$200

Saitsa fees

Student Association fee

- Maximum: \$291

This is the maximum amount the student will pay. Actual fees may be less and are based on the number of credits the students take per semester.

Health and dental fees

- Health plan: \$127
- Dental plan: \$135

Students with existing health and/or dental plans can opt-out. Please refer to [Saitsa's website](#) for information.

Books and supplies*

For an estimate of the costs associated with purchasing a computer that meets the program's hardware and software requirements, see our [computers and laptops page](#).

Learn more about [tuition and financial aid](#).

*Tuition, fees, books and supply costs are subject to change.