



Machinist Technician

This full-time program is a great way to start your career as a machinist — a rewarding and challenging trade with precision and craftsmanship as core attributes.

As a Machinist Technician, you'll set up and operate precision equipment for the production of a variety of components and assemblies. Machinists make or modify primarily metal components to very fine tolerances.

At 30 weeks in length (900 hours), this program contains content nearly double that afforded by the [Machinist apprenticeship](#) stream for equivalent periods. You will learn skills including, but not limited to:

- machining
- machine set-up
- blueprint reading
- process planning
- design validation
- precision measurement
- heat treatment.

Metal cutting and shaping operations use a variety of machine tools, including conventional mills, drills, lathes, and grinders. As modern machine tools are often computer-driven, a Machinist Technician may be responsible for programming and operating high-tech Computer Numerically Controlled (CNC) equipment such as CNC mills, lathes, Electrical Discharge Machines (EDM), and Coordinate Measuring Machines (CMM).

Upon successful completion of your first 15 weeks, you will be eligible to write the first-period Machinist apprenticeship exam. At the end of 30 weeks, you will be eligible to write the second-period Machinist apprenticeship exam.

Credentials

After successfully completing this program, graduates will receive a SAIT certificate as a Machinist Technician.

Graduates are eligible to write the first and second-year Provincial Apprenticeship Board exams for the machinist trade provided they attain a minimum of 65% in all their courses. Apprenticeship exam fees will be required.

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	Now closed
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

Successful completion of the following courses or equivalents:

- Math 10C, or Math 10-3, AND,
- English Language Arts 10-1 or English Language Arts 10-2, AND,
- Science 10

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 meets the eligibility criteria for the [Post-Graduation Work Permit program](#) for international students as long as the student is enrolled in the on-campus delivery mode or completes more than 50% of the courses on campus (for the blended option). International students attending all classes online will NOT be eligible for a Post-Graduate Work Permit. International students are responsible for maintaining their eligibility throughout their studies.

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 ma.info@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
Fall 2022	Sept. 6, 2022	April 28, 2023

Costs 2022/23

Domestic tuition and fees

Cost per credit: \$205

Year	Number of semesters	Tuition fees	SAIT fees	Saitsa fees*	Total
1	2	\$5,842.50	\$916	\$553	\$7,311.50

International tuition and fees

Cost per credit: \$647.47

Year	Number of semesters	Tuition fees	SAIT fees	Saitsa fees*	Total
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Year	Number of semesters	Tuition fees	SAIT fees	Saitsa fees*	Total
1	2	\$18,452.90	\$916	\$553	\$19,921.90

*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*

Books and supplies are approximately \$1,000 - \$1,500 per full-time year.

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.