



Machining Technology

Start your career as a machinist – a rewarding and challenging trade with precision and craftsmanship as core attributes. Get hands-on machining training by setting up and operating precision and CNC equipment to produce components used in various industries.

As a machinist, you'll make or modify mainly metal components to very fine tolerances based on intended designs. Modern machine tools are computer-driven, making machinists responsible for programming and operating high-tech equipment such as CNC mills, lathes, electrical discharge machines (EDM) and coordinate measuring machines (CMM). Metal cutting and shaping operations also use various other tools, including conventional mills, drills, lathes and grinders.

Some of the skills you'll learn in this program include machining as a broad range of technologies and techniques. In addition, you'll get hands-on training on machine set-up, manual and computer numerically controlled (CNC) operations, blueprint reading and CAD/CAM, process planning, design validation, precision measurement, metallurgy and machine shop communication fundamentals.

With 60 weeks (1530 hours) of training, this two-year program offers nearly double the content of the Machinist apprenticeship stream for equivalent periods. When you successfully complete each of the first three 15-week semesters, you will be eligible to write the Alberta Machinist Apprenticeship Period exams. At the end of 60 weeks, you will be eligible to write the Journeyman Machinist apprenticeship exam.

Credentials

Upon successful completion of this program, graduates will be awarded a SAIT Machining Technology diploma.

Admission requirements

Program requirements

Successful completion of the following courses or equivalents:

- at least 50% in English Arts 20-1 OR English Arts 20-2
- at least 50% in Math 20-1 OR Math 20-2 OR Math 20-3
- at least 50% in Science 10
- applicants who have successfully completed the SAIT [Machinist Technician program](#) or equivalent are eligible for admission.

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](#).

When should
you apply?

Visit our [Apply page](#) to see when applications open and close for upcoming semesters.

To see which semesters this program has intakes for, look at the Available Intakes information at the top of this page.

[See when we start and stop accepting applications](#)

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 begin	Year start date	Year end date
Fall 2023	Sept. 5, 2023	April 26, 2024

Costs 2023/24

Tuition and fees

The following costs are effective as of July 1, 2023. They are an **estimate** of tuition and fees based on the recommended course load per year. *

Domestic students

Year	Number of semesters	Tuition fees	SAIT fees	Saitsa fees	Total
1	2	\$9,510	\$948	\$622	\$11,080
2	2	\$9,510	\$948	\$622	\$11,080

International students

Year	Number of semesters	Tuition fees	SAIT fees	Saitsa fees	Total
1	2	\$19,950	\$948	\$622	\$21,520
2	2	\$19,950	\$948	\$622	\$21,520

*For a detailed breakdown of tuition costs per course, visit the [domestic](#) and [international](#) fee tables.

Fees

Your fees are calculated based on the number of course credits you take per semester (approximately 16 weeks of study). In most cases, your fee is determined based on whether you're taking **more** or **less** than nine (9) course credits (more than nine credits in a semester are considered full-time studies.)

Fees are adjusted for programs with start dates outside of the typical 15-week program.

[Learn more about what your fees are for](#)

2023/24 fees per semester

Books and supplies*

Books and supplies are approximately \$2,000 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 your tuition and financial aid options](#)

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