



Pre-employment Ironworker

SCHOOL OF MANUFACTURING & AUTOMATION

Overview

Prepare for an ironworker apprenticeship with hands-on skills through this program that covers fabrication, ornamental ironwork and structural steel and rebar.

This nine-week program is designed to offer an alternative route to those looking to enter the Ironworker trade. Courses cover the same material delivered in a first-year Ironworker apprenticeship, as well as additional value-added programming focused on safety and field operations.

Students in this program will be provided with the opportunity to learn about fabrication, scaffolding, structural steel buildings, building bridges, ornamental ironwork and pre-casting structures.

The program prepares students to enter into an apprenticeship with hands-on skills.

Academic path

After you successfully complete this program, you may choose to continue your training as an apprentice. Once indentured by an employer, you may register for SAIT's [Ironworker apprenticeship program](#).

You may be eligible to challenge the written and practical exams for first-year apprenticeship.

Credentials

Upon successful completion of the program, students will receive a SAIT pre-employment certificate.

Admission requirements

Applicants educated in Canada

Applicants must demonstrate [English language proficiency](#) and have successfully completed the following courses or equivalents:

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

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 out what educational documents are accepted and assessment options](#).

SAIT may also accept courses completed at certain [international post-secondary institutions](#).

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	Additional fees	Total per year
1	0.5*	\$7,032	\$157	\$7,189
Total cost:				\$7,189

*Less than a full semester of 16 weeks.

Books and Supplies

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

This is a bring-your-own-device program with a standard computer hardware and software requirement. See the specific requirements on our [computers and laptops page](#).

Find your booklist on the [SAIT Bookstore's](#) website. The booklist will be available closer to the program start date.

Can't find your program or course? The bookstore didn't receive a textbook list. Contact your program directly to determine if they're still refining course details or if you're in luck; no textbook purchase is required this term.

Required equipment/tools

- Solid Wi-Fi connection at home

Required personal protective equipment (PPE)

- CSA steel toe boots
- Safety glasses