Architectural Technologies

SCHOOL OF CONSTRUCTION

Overview

Architectural Technologies is crafted to empower you with the skills and knowledge to excel as an architectural technologist.

This program caters to the evolving demands of architectural firms, residential builders, and the broader construction industry, providing a solid foundation for a career in architectural design and construction.

This two-year program emphasizes project-based learning that mirrors real-world architectural practices, with access to state-of-the-art technology and software used in the industry. You will develop critical thinking and practical skills focusing on integrating theory with hands-on application.

You will learn:

- the science and practice of architectural technology through a mix of lectures, labs, and collaborative projects
- how to navigate and apply building codes, bylaws, and regulations effectively
- advanced skills in building science and building systems
- proficiency in 3D and 4D Building Information Modeling (BIM) for various project stages
- project management, including costing, scheduling, proposal development, and documentation.

As a graduate, you'll be prepared for roles such as architectural technologist, BIM coordinator, or project manager. You'll have had the opportunity to build a portfolio of work demonstrating competencies to potential employers.

If you're interested in the intersection of architecture, technology, and construction or are seeking a career change or advancement in the field of architectural technology, this SAIT program is for you.

Traits, skills and aptitudes

Architectural technologists are innovative, methodical and objective.

You need:

- high moral and ethical standards
- precision, persistence, and accuracy
- an interest in design and aesthetics
- an aptitude for math and science
- spatial awareness
- the ability to see objects in 3D
- graphic, oral, and written communication skills
- the ability to work well under pressure to meet deadlines
- proficiency in architectural drawing/rendering software
- the ability to generate 3D renderings for presentation purposes
- knowledge of applicable building codes and zoning regulations.

You should enjoy working with a team, analyzing and finding solutions to problems, taking a systematic approach to your work, and using instruments and equipment for precision tasks.

Practicum, Co-op and Work Integrated Learning

Throughout the program, you'll engage in individual and team projects each semester.

In the final semester of this program, you'll participate in a capstone project with the support of a coach or mentor, where you'll implement all the skills you've acquired to solve a real-world problem.

Credentials

Upon successfully completing this program, you'll receive a SAIT Architectural Technologies diploma.

Admission requirements

Applicants educated in Canada

All applicants must demonstrate English language proficiency and meet the following requirements or equivalents:

- at least 50% in Math 30-1 or Math 30-2, and
- at least 50% in English Language Arts 30-1 or English Language Arts 30-2, and
- at least 50% in a Grade 12 Science.

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	$6,150	$1,764.50	$7,914.50
2	2	$6,150	$1,764.50	$7,914.50
			Total cost:	**$15,829**

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	$20,100	$1,764.50	$21,864.50
2	2	$20,100	$1,764.50	$21,864.50
			Total cost:	**$43,729**

Year	Number of semesters	Tuition fees	Additional fees	Total per year

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. It must be a Windows PC. Mac-based laptops are not supported in this program.

This program doesn't require any textbooks.

Required personal protective equipment (PPE)

The industry-approved PPE you'll need will be discussed during your first few days of classes.