Bachelor of Science Construction Project Management

SCHOOL OF CONSTRUCTION

Overview

The Bachelor of Science (BSc.) in Construction Project Management is the only undergraduate science degree program of its kind in Canada.

It includes a blend of practical skill sets, including foundational and advanced concepts in construction technology and project management best practices.

The program was developed for the construction industry and is uniquely positioned to meet the demand for skilled management professionals and project managers capable of leading across construction, engineering, and energy sectors.

Over the four-year program, you will acquire the foundations of project management and receive a well-rounded education in construction and business skills.

The program's curriculum aligns directly with the needs of the residential, commercial, industrial, and infrastructure industries. You will be taught by seasoned faculty with multi-disciplinary experience using the latest technologies and tools in well-equipped labs and real-world simulation environments.

In this program, you will:

- learn how to manage construction projects from inception to completion
- develop the mathematical and physical science skills needed to address complex construction challenges
- gain a thorough understanding of the materials and methodologies that underpin the construction industry
- master the art of meticulous project planning and effective scheduling
- acquire the ability to forecast project costs and manage budgets accurately
- explore the science behind soil behaviour and foundation design, including mechanical and electrical systems
- learn how to comply with relevant construction codes, standards and regulations with managerial expertise
- gain insights into advanced management practices specific to construction projects
- build a solid foundation in the scientific principles and technical aspects of construction
- develop critical thinking, problem-solving, and effective communication abilities.

You will also complete an internship to apply your learning in a real-life setting and network with industry leaders through workshops and seminars.

As a graduate, you will be prepared to step into leadership roles from site to upper management and possess the skills to excel in project management and executive positions. You can also pursue graduate education in master's programs in construction, project management, engineering or business administration.

For anyone looking to learn construction management or become a project manager, supervisor, or future leader in construction project management, this program offers the knowledge, skills, and professional edge needed to succeed.

Traits, skills and aptitudes

Those in construction project management tend to be directive, methodical, and social.

You need:

- leadership skills
- initiative
- customer service skills
- interpersonal and communication skills
- the capacity to work and interact with diverse groups of people
- the ability to resolve conflicts or disputes tactfully
- logic and critical thinking skills
- problem-solving and decision-making skills
- the ability to handle stressful situations and the pressure of frequent deadlines

- a willingness to take responsibility
- an understanding of how to manage a budget.

You should enjoy supervising and managing other people and be able to work effectively and productively with individuals at all levels of an organization, from frontline staff to executives.

Practicum, Co-op and Work Integrated Learning

You'll participate in a 15-week internship and complete a capstone project.

The internship will provide you with experience in managing construction-related activities and issues. You will be required to prepare daily logs, monthly reports and a final report signed by your industry supervisor.

Working with an industry partner, the capstone project will require you to solve a management-related issue concerning the construction sector.

Accreditations, designations and certifications

The Bachelor of Science Construction Project Management program has received full accreditation from the Canadian Institute of Quantity Surveyors (CIQS).

This self-regulatory professional body sets the highest standard for construction economics in Canada. It is the first program in Alberta to be accredited by CIQS.



This program has also been granted a five-year Project Management Institute (PMI) Global accreditation.

The PMI Global Accreditation Center (PMI-GAC) is the world's leading specialized accrediting body for project management and related degree programs, accrediting programs at the bachelor's, master's, and doctoral levels offered by accredited institutions of higher education worldwide.

The Bachelor of Science Construction Project Management degree program is the first in Canada to be accredited by PMI-GAC.



Credentials

Upon successful completion of this program, you'll receive a SAIT Bachelor of Science Construction Project Management baccalaureate degree.

Admission requirements

Applicants educated in Canada

Applicants must demonstrate English language proficiency and meet **one** of the following options.

SAIT accepts high school course equivalents for admission for applicants educated outside Alberta.

Option one

An overall minimum average of 70% in the following courses or equivalents:

- Math 30-1, and
- English Language Arts 30-1, and
- two courses from Group A, and
- one course from Group A or B.

Group A (academics)

- Mathematics 31
- Biology 30
- Chemistry 30
- Physics 30
- Science 30

Group B (other: 5 credits)

- Art 30 or 31
- Drama 30
- Music 30 (choral, instrumental, general)
- Physical Education 30
- Religion 35
- Social Studies 30-1
- Social Studies 30-2
- One language 30
- Another five-credit Grade 12 subject or a combination of two three-credit grade 12 subjects
- Five credits of advanced career and technology courses

Option two

A two-year diploma or a bachelor's degree from an accredited post-secondary institution, with a minimum 2.3 cumulative GPA (67% or C+) and completion of:

- English 30-1,
- and Math 30-1 or Math 30-2.

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 estimated 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	$7,620	$1,764.50	$9,384.50
2	2	$7,620	$1,764.50	$9,384.50
3	2.5*	$8,382	$2,015	$10,397
4	2	$7,620	$1,764.50	$9,384.50

Year	Number of semesters	Tuition fees	Additional fees	Total per year

The estimated total cost of tuition and fees for domestic students is based on the recommended course load per year.

*.5 indicates a combination of full-time semester(s) and part-time semester(s) in the same academic year. In many cases, students are completing a practicum during their part-time semester. Part-time students are those taking less than nine (9) course credits in a semester. You are not eligible for the UPass during a part-time semester.

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	$22,440	$1,764.50	$24,204.50
2	2	$22,440	$1,764.50	$24,204.50
3	2.5*	$24,684	$2,015	$26,699
4	2	$22,440	$1,764.50	$24,204.50
			Total cost:	**$99,312.50**

The estimated total cost of tuition and fees for international students is based on the recommended course load per year.

*.5 indicates a combination of full-time semester(s) and part-time semester(s) in the same academic year. In many cases, students are completing a practicum during their part-time semester. Part-time students are those taking less than nine (9) course credits in a semester. You are not eligible for the UPass during a part-time semester.

Books and Supplies

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

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.

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.