



# Chemical Engineering Technology

**G**et hands-on chemical engineering training in world-class labs that replicate common industrial processes and practice working with industrial-grade equipment and process units.

In this program, you'll gain an in-depth knowledge of unit operation, process control, and equipment design while you learn to operate, troubleshoot, maintain, and design safe processing units and plants. In addition, our industry-trained instructors will teach you design calculations, process simulation and control, industry safety, and environmental engineering. You will also learn to work with engineering software that will give you an edge to jump-start your career.

Through the capstone project, you'll advance your skills further to prepare you for a career in process engineering, water treatment and other chemical industries. Chemical engineering technology is a broad discipline and the skills learned provide the potential to have a career in various industries. You can choose to start your career right away as a chemical technologist, an environmental technician, a process engineering technologist or a process designer. Or you can continue your studies through transfer options to universities.

## Is this the right fit for you?

An interest in science and mathematics is an asset. Specific interest in physics and chemistry are desirable.

## Accreditation

This program is accredited by Technology Accreditation Canada (TAC). Graduates are eligible for registration in the Alberta Society of Engineering Technologists. Periodical registration agreements exist with U.S. and British societies.

## Credentials

After successfully completing this program, graduates will receive a SAIT diploma in Chemical Engineering Technology.

## Admission requirements

### Application dates

Applications are accepted until the program start date but are subject to change.

- **Fall 2022 start:** applications opened on Oct. 6, 2021.

### Program requirements

Completion of the following courses or equivalents:

- At least 60% in Math 30-1, or at least 75% in Math 30-2, AND,
- At least 60% in English Language Arts 30-1 or 75% in English Language Arts 30-2, AND,
- At least 60% in Chemistry 30, AND,
- At least 60% in Physics 20.

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.

## 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 Chemical Laboratory Technology and [submit your transcripts and/or anticipated final grades](#).

- Admission will be extended on a first-qualified, first-offered basis until the program is full.

**Step 4:** Find out how to monitor your application status [after you apply](#).

## 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 [macphail.students@sait.ca](mailto:macphail.students@sait.ca) domain to your safe senders' list or you risk missing critical email messages.

## Costs 2022/23

### Domestic tuition and fees

Cost per credit: \$178

Year	Number of semesters	Tuition fees	SAIT fees	Saitsa fees*	Total
1	2	\$5,607	[brick: sait-fee-total ref: fees-year22-23]	\$553	\$7,076
2	2	\$5,340	[brick: sait-fee-total ref: fees-year22-23]	\$553	\$6,809

### International tuition and fees

Cost per credit: \$600.54

Year	Number of semesters	Tuition fees	SAIT fees	Saitsa fees*	Total
1	2	\$18,917.01	[brick: sait-fee-total ref: fees-year22-23]	\$553	\$20,386.01
2	2	\$18,016.20	[brick: sait-fee-total ref: fees-year22-23]	\$553	\$19,485.20

\*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

Created Date: 07/06/22

<https://www.sait.ca/programs-and-courses/diplomas/chemical-engineering-technology>

- 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.

For more information on health and dental benefits for international students, please contact the [International Centre](#).

## Books and supplies\*

Books and supplies cost approximately \$1,800 in the first year and \$900 in the second 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.