



Power Engineering Technology

Courses in power theory, thermodynamics and extensive lab training prepare you to take responsibility for complex power systems working as a plant operator or design, research or development assistant in industries like petroleum, petrochemical and refining.

Our Power Engineering Technology diploma arms you with the skills to become a third-class power engineer responsible for controlling large, complex power and process systems and performing production work in the operation and development of large-scale energy projects.

SAIT also offers flexible continuing education training for fifth to first-class to prepare you for your ABSA exams, or you can pursue a bachelor's degree with our transfer options.

In Canada, power engineering certification progresses from fifth to first-class (most advanced) and the ABSA is the pressure equipment safety authority for Alberta.

Is this the right fit for me?

Manual dexterity and mechanical ability are helpful.

A minimum of 80% attendance is a requirement to successfully complete the program.

Successful students will have the ability to gather technical information and use it to troubleshoot large electromechanical systems.

Accreditation

This program is nationally accredited by Technology Accreditation Canada (TAC).

Credentials

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

Admission requirements

Application dates

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

- **Fall 2022 start:** applications are open Oct. 6, 2021.
- **Winter 2023 start:** applications are open March 30, 2022.

Program requirements

Completion of the following courses or equivalents:

- At least 60% in Math 30-1 or at least 75% in Math 30-2

- At least 60% in English Language Arts 30-1 or 75% in English Language Arts 30-2
- At least 60% in Physics 30.

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 Power Engineering 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 domain to your safe senders' list or you risk missing critical email messages.

Costs 2022/23

Domestic tuition and fees

Cost per credit: \$191

Year	Number of semesters	Tuition fees	SAIT fees	Saitsa fees*	Total
1	2	\$5,730	\$916	\$553	\$7,199
2	2	\$6,016.50	\$916	\$553	\$7,485.50

International tuition and fees

Cost per credit: \$673.57

Year	Number of semesters	Tuition fees	SAIT fees	Saitsa fees*	Total
1	2	\$20,207.10	\$916	\$553	\$21,676.10
2	2	\$21,217.46	\$916	\$553	\$22,686.46

*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

- Maximum: [brick: saitsa-fee | ref: fees-year22-23]

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*

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.