



Geomatics Engineering Technology

The Geomatics Engineering Technology program will provide you with extensive practical skills combined with a broad theoretical background to acquire tools and techniques used in land surveying, remote sensing, cartography, geographic information systems (GIS), global navigation satellite systems (GPS), photogrammetry, geography, and digital mapping.

To succeed in the program, you will need to be comfortable with mathematics and enjoy working with computers and instrumentation. In addition, you must be a good team player, have good communication skills, and enjoy working outdoors.

This diploma program is two years in length, consisting of four 15-week semesters.

Is this the right fit for me?

Students who enjoy mathematics, and are comfortable using computers and instrumentation will experience more success in this program. Successful students can think visually about geometric forms and can appreciate details in drawings and objects.

Contact time with instructors in lectures and labs is about thirty hours per week. The average student is expected to spend about an additional 25 hours per week on assignments, studying, and projects.

Additionally, the ideal candidates are methodical and pay attention to detail, have good work ethic, and communication skills. Graduates will often work in teams of various sizes. In the program, many courses require working in teams for projects or lab assignments.

A career in Geomatics Engineering Technology typically includes both office and fieldwork. Depending on a student's particular career path the proportion of office and field exposure can vary significantly. In the program, students are exposed to fieldwork that simulates field activities.

Accreditation

This program is nationally accredited, at the technologist level, by Technology Accreditation Canada. Graduates are eligible for certification by the Alberta Society of Surveying and Mapping Technologies (ASSMT) and the Association of Science and Engineering Technology Professionals in Alberta (ASET).

Credentials

After successfully completing this program, graduates will be awarded a SAIT diploma in Geomatics Engineering Technology.

Admission and selection

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 50% in Math 30-1, or at least 70% in Math 30-2, AND,
- At least 50% in English Language Arts 30-1 or English Language Arts 30-2, AND,
- At least 50% in Science 30 or 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 Geomatics Engineering 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 construction.advising@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: \$172

Year	Number of semesters	Tuition fees	SAIT fees	Saitsa fees*	Total
1	2	\$5,160	\$916	\$553	\$6,629
2	2	\$5,160	\$916	\$553	\$6,629

International tuition and fees

Cost per credit: \$628.13

Year	Number of semesters	Tuition fees	SAIT fees	Saitsa fees*	Total
1	2	\$18,843.90	\$916	\$553	\$20,312.90
2	2	\$18,843.90	\$916	\$553	\$20,312.90

*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

Created Date: 07/06/22

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

- 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: \$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 are approximately \$1,500 for the first year and \$500 for 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.