



Nuclear Medicine Technology

Advance your career in medical imaging with a career in nuclear medicine. With courses specialized in anatomy, physiology, radiopharmacy and patient care — along with imaging techniques and procedures — prepare for a career using high-tech instruments and radioactive drugs to help diagnose and treat disease.

Nuclear medicine technology uses radiopharmaceuticals (radioactive drugs) and specialized equipment to help diagnose and treat diseases. The Nuclear Medicine Technology (NMT) program trains students as nuclear medicine technologists, ready to work with patients and medical staff in clinical nuclear medicine settings.

Students will complete studies in patient communication and management, professional practice, radiation physics, computed tomography, anatomy and physiology, radionuclide instrumentation, nuclear medicine procedures, radiopharmacy, quality control, clinical integration, phlebotomy and intravenous injections, and radiation safety. They will also learn about instrumentation, dosimetry, pathology, advanced computers, research and clinical integration. Additionally, students will complete three clinical practica where they rotate through all areas of nuclear medicine, applying what they have learned while in these clinical settings.

Interprovincial Health Training Agreements

SAIT offers [reserved seats in nuclear medicine](#) for Saskatchewan and Manitoba students. Limited space available, call 403.284.8500 to learn more.

Is this the right fit for me?

Students who experience success in this program and profession:

- have higher secondary and/or post-secondary grades
- are committed to the significant additional self-study required
- have effective communication skills in English
- possess basic to intermediate computer literacy, including the ability to use word processing, spreadsheets, and communication software
- are detail-oriented and use critical thinking in practice
- are eager, persevere, and enjoy working in a team environment
- can handle unpleasant and stressful situations
- are in good health and physically fit, including the ability to,
 - lift heavy objects and patients
 - stand for extended periods of time
 - work in difficult positions
 - employ strong finger and hand dexterity
 - see and hear well
- are mindful of safety precautions and proper ergonomics in order to reduce the risk of exposure and injury.
 - Individuals with previous chronic or repetitive strain injuries have experienced re-injury or aggravation of these conditions in this program and/or as a technologist.

Accreditation

Graduates are eligible to challenge the Canadian Association of Medical Radiation Technologists (CAMRT) certification exam which is a requirement for registration and employment for registered nuclear medicine technologists in Canada.

Graduates are also eligible to challenge the American Nuclear Medicine Technology Certification Board exam.

The Nuclear Medicine Technology program delivered by SAIT is accredited by Accreditation Canada. The program also works closely with our Diagnostic Imaging Advisory Committee to ensure that our curriculum continues to meet or exceed provincial and national accreditation standards.

Credentials

After successfully completing this program, graduates will receive a SAIT Nuclear Medicine Technology diploma.

Admission requirements

Application dates

- **Fall 2022 start:** applications are accepted from Oct 6, 2021, to March 1, 2022.
 - **Please note:** Access to the NMT Profession Specific Entrance Assessment will close end of day on March 18, 2022.

Program requirements

Completion of the following courses or equivalents:

- At least 60% in Math 30-1 or Pure Math 30, or at least 70% in Math 30-2,
- At least 60% in English Language Arts 30-1,
- At least 60% in Chemistry 30,
- At least 60% in either Biology 30 or Physics 30 or Math 31.

AND,

- A mark of at least 50% on the scoring rubric for the [School of Health and Public Safety's Entrance Testing Process](#).

Entrance testing process

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](#).

Direct entry: five-step process

Step 1: Read the program information to see the qualities needed for student success.

Step 2: Review the information related to the necessary components of the [School of Health and Public Safety Entrance Testing Process](#)

Step 3: Complete the School of Health and Public Safety Entrance Testing Process non-academic admission requirement. Ensure that you meet all of the academic admission requirements listed above.

Step 4: [Apply](#) to the Nuclear Medicine Technology program and submit your [transcripts and/or anticipated final grades](#) prior to the application close date.

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

Step 5: Log in to [mySAIT.ca](#) to check your admission status. Find out how to monitor your [application status](#).

Failure to meet anticipated final grades will result in offers being rescinded.

Communication during admission

Email is the primary source of communication during the admission process. Ensure your personal email account is managed appropriately to receive our emails, files and communications. We recommend you add diagnostic.imaging@sait.ca and the [sait.ca](#) domain to your safe senders' list or you risk missing critical email messages.

Practicum requirements

The [School of Health and Public Safety](#) has many practica partners located within Alberta and across Canada. Practicum placements in Calgary are limited and students may be required to relocate outside of Calgary for practicum.

Successful candidates will be informed of the allocation of their practicum placement by the program at a later date. There is no guarantee that students will be placed at their desired practicum location. Special considerations of personal circumstances will not be given in regards to assigning practicum placements. Students will be responsible for fees associated with practicum such as entrance requirements, relocation and travel costs.

In compliance with the practica agreements with our clinical partners, successful candidates will be requested to provide proof of the following requirements:

- Current Heart and Stroke Foundation Health Care Provider Level (C) CPR

- Updated immunization records
- Security clearance - Police Information Check including Vulnerable Sector Check
- N95 respiratory mask fitting
- Health and wellness status

[Learn more](#)

Costs 2022/23

Domestic tuition and fees

Cost per credit: \$200

Year	Number of semesters	Tuition fees	SAIT fees	Saitsa fees*	Total
1	3	\$7,800	\$1,214	\$698.50	\$9,712.50
2	3	\$6,300	\$1,214	\$698.50	\$8,212.50

*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: \$294
- Universal transit pass (Upass): \$320
- Student support fee: \$300
- Student technology fee: \$300

Saitsa fees

Student Association fee

- Maximum: \$436.50

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.

Books and supplies*

Books and supplies are approximately \$2,600 in the first year and \$1,200 in the second year.

Students are responsible for any additional expenses related to their practicum, including pre-practicum requirements as outlined by the program, and relocation costs to practicum sites outside of Calgary.

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](#).

Additional fees

- Students require a laptop or Apple iPad to support the CompTracker system. The device requires wi-fi capability, and the size is at the discretion of the student. Keyboards are advisable but not mandatory. Smartphones are not acceptable devices for CompTracker
- There is a required user license fee billed on a per semester basis. Each program will have a different student fee depending on how the system is used within the program. More information will be shared at orientation.
- Nuclear Medicine Technology Certification Board (NMTCB) exam fees are approximately \$175.
- Canadian Association of Medical Radiation Technologists (CAMRT) certification exam fees are approx \$840 with an additional exam administration fee - [learn more](#).
- The student registration fee to the Alberta College of Medical Diagnostic and Therapeutic Technologists (approx \$100).

- There is a fee associated with obtaining a police information check including a Vulnerable Sector Check, payable to the Police or the Royal Canadian Mounted Police (RCMP).
- Students must have their immunizations reviewed by the SAIT Health Clinic. There is a \$75 charge to review vaccine history. Any vaccines to be administered will result in additional charges.
- There is a fee, approximately \$50-\$100, associated with an Electronic Student Permit Checking submission which is required for clinical practicum placements, payable to Synergy Gateway through the Verified software platform.

Learn more about [tuition and financial aid](#).

*Tuition, fees, books and supply costs are subject to change.