



Medical Radiologic Technology

Advance your career in the health and medical industry. Through a combination of theory and clinical practice, gain knowledge and experience in the areas of general X-ray imaging, fluoroscopy and computed tomography. Learn how to use different forms of radiological equipment to perform exams that aid in the diagnosis of disease and injury.

Medical Radiologic Technology (MRT) is the art and science of correctly positioning the patient and X-ray equipment to produce and record images for visualizing the extent of disease or injury.

The Medical Radiologic Technology program is a two-year, full-time program where students are trained as medical radiologic technologists, responsible for the safe and competent operation of a wide range of X-ray generating machines, the production of digital images, and use of accessory medical equipment.

Students will complete courses in anatomy and pathology, apparatus and image management, computed tomography, radiation protection, general and specialized radiographic techniques, professional practice and patient care. They will also focus on specialized imaging, clinical integration, quality assurance and control, and professional practice. Additionally, students will complete three clinical practica where they rotate through general and specialized medical radiologic technology departments, applying what they have learned in these clinical settings.

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 basic computer literacy, including the ability to use word processing and communication software
- are detail oriented and use critical thinking in practice
- demonstrate compassion for patients and colleagues
- are eager, persevere, and enjoy working in a team environment
- have exceptional communication skills in English
- are able to handle unpleasant or stressful situations
- are in good health and physically fit, including the ability to
 - lift heavy patients
 - push, pull, and lift heavy equipment
 - climb several flights of stairs quickly
 - stand for long periods of time and work in difficult positions, while performing repetitive tasks, and,
 - employ strong hand and finger dexterity
- have strong vision and hearing
- are mindful of observing safety precautions and proper ergonomics in order to reduce the risk of exposure and injury.
 - Please note that 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 from this program are eligible to challenge the Canadian Association of Medical Radiation Technologists (CAMRT) certification exam which is a requirement for registration and employment for medical radiologic technologists in Canada.

The Medical Radiologic 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 Medical Radiologic Technology diploma.

Admission requirements

Application dates*

- **Fall 2022 start:** applications are accepted Oct 6, 2021 to Jan. 31, 2022.

Please note: Access to the MRT Profession Specific Entrance Assessment will close end of day Feb. 11, 2022.

Program requirements

At least 75% in the following courses or equivalents:

- Math 30-1, Math 30-2, or Pure Math 30,
- English Language Arts 30-1,
- Physics 30,
- One of either Biology 30, or Chemistry 30, or Science 30.

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 Medical Radiological 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 clinical.supportservices@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 will be required to relocate outside of Calgary for practicum.

Successful candidates will be informed of the allocation of their practicum placement 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: \$251

Year	Number of semesters	Tuition fees	SAIT fees	Saitsa fees*	Total
1	3	\$8,659.50	\$1,065	\$698.50	\$10,423
2	3	\$7,153.50	\$1,214	\$698.50	\$9,066

*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: \$245
- Universal transit pass (Upass): \$320
- Student support fee: \$250
- Student technology fee: \$250

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.

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

Books and supplies*

Books and supplies are approximately \$2,500 in the first year and \$700 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](#).

Students are responsible for any additional expenses related to their practica (i.e. relocation costs if placed outside of Calgary, food, housing, transportation, etc.).

Additional fees

- There is a \$75 CompTracker user fee per semester.
- Canadian Association of Medical Radiation Technologists (CAMRT) certification exam fees are approximately \$840 with an additional \$125 exam registration fee.
- Annual dues to the Alberta College of Medical Diagnostic and Therapeutic Technologists are approximately \$100.
- CPRS 001 BLS Provider (Level C) CPR. Annual update required. All CPR courses must be from the Heart and Stroke Foundation.
- 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.