Medical Radiologic Technology

SCHOOL OF HEALTH AND PUBLIC SAFETY

Overview

Through a combination of teaching theoretical knowledge, clinical skills, and practicum rotations in three various radiology departments, our Medical Radiologic Technology program prepares you to become a proficient radiologic technologist.

As a student, you will:

- learn techniques for correctly positioning patients and X-ray equipment to capture clear diagnostic images
- train on the use and maintenance of various types of X-ray-generating machines
- gain skills in producing digital images to assist physicians in medical diagnoses
- study human anatomy and diseases to understand the physiological basis of the images
- learn management and care of imaging equipment and image production
- receive specific training in CT imaging and the interpretation of CT scans
- gain knowledge of radiation protection for the safety of patients and healthcare workers
- master both general and specialized radiographic procedures
- develop professional conduct and effective patient care practices
- gain insight into specialized imaging processes such as interventional procedures, magnetic resonance imaging (MRI) and ultrasound
- learn the protocols for quality control in radiologic technology.

As a graduate, you'll be ready for numerous entry-level positions in various healthcare settings, such as hospitals and community clinics.

With experience, you can specialize in general X-ray, interventional radiography, computed tomography, and mammography. There are also potential career paths in management roles or as educators in the radiologic technology field.

If you have a strong interest in medicine, healthcare technology, and patient care, this program provides the technical knowledge and clinical skills needed to embark on a rewarding career in medical imaging.

Traits, skills and aptitudes

Those in medical radiologic technology tend to be objective, methodical and innovative.

You need:

- a sense of responsibility and integrity
- to tolerate the sight of human blood and tissue
- to be comfortable performing patient care procedures which may be sensitive or performed in close proximity
- an eye for detail and accuracy
- patience and adaptability
- sensitivity to the needs of ill and injured people
- good speaking and writing skills
- the ability to put people at ease
- an interest in science and technology
- a willingness to keep your skills and knowledge up to date
- organizational skills
- problem-solving and critical-thinking skills
- the ability to work well in a team
- the ability to manage your stress well
- the ability to reach a minimum height of 180 cm (to move overhead equipment).

As a medical radiologic technologist, you may work in environments where a considerable amount of time is spent on your feet, or you're performing repetitive tasks. You must observe safety precautions and pay attention to ergonomics to reduce your 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 profession. You must also be able to tolerate latex and disinfection chemicals.

You are strongly encouraged to refer to the ALIS website for career, learning, and employment information for medical radiologic technologists to ensure you can successfully meet the occupational requirements for the program and profession.

SAIT program pathways

Graduates of SAIT's Pre-Health Sciences program may meet the admission requirements for this program.

Practicum, Co-op and Work Integrated Learning

You will complete required clinical practicums in this program.

You will be assigned practicum placements with consideration given to your preference of location. However, due to limited availability in Calgary, it might be necessary for you to travel or relocate outside the city.

The healthcare field has a strong focus on health, wellness, and fitness to practice due to the demanding nature of the work and Occupational Health and Safety requirements. As such, special considerations will not be granted based on individual circumstances or preferences, except those stated as protected grounds when an accommodation has been approved.

In compliance with the practica agreements with our clinical partners, you will be required to provide specific documentation before you can participate in your practicum. Find out what requirements you need for this program.

Accreditations, designations and certifications

This program is accredited through Accreditation Canada, and works closely with our Diagnostic Imaging Provincial Advisory Committee to ensure our curriculum continues to meet or exceed provincial and national accreditation standards.

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 medical radiologic technologists in Canada. Successful completion of the exam will enable graduates to work anywhere throughout Canada.

Credentials

Upon successful completion of this program, you'll be awarded a SAIT Medical Radiologic Technology diploma.

Admission requirements

Applicants educated in Canada

Applicants must demonstrate English language proficiency and meet the following requirements or equivalents:

- at least 75% in Math 30-1 or Math 30-2, and
- at least 75% in English Language Arts 30-1, and
- at least 75% in Physics 30, and
- at least 75% in Biology 30, or Chemistry 30, or Science 30

You also must achieve a mark of at least 50% in the School of Health and Public Safety's Entrance testing process.

SAIT accepts high school course equivalents for admission for applicants educated outside Alberta.

Applicants educated outside of Canada

All applicants who were educated outside of Canada must demonstrate English language proficiency and provide proof they meet the program admission requirements with an international document assessment. Find accepted educational documents and assessment options.

SAIT may also accept courses completed at certain international post-secondary institutions.

Costs

2026/27 tuition and fees

The following costs are effective as of July 1, 2026.

The estimated total cost of tuition and fees is based on the suggested schedule of study. Following a modified schedule will impact the fees you pay per semester and may alter final costs.

Domestic Students

Year	Number of semesters	Tuition fees	Additional fees	Total per year
1	2.5*	$10,890	$2,015	$12,905
2	3	$9,405	$2,445.75	$11,850.75
3	1	$2,970	$882.25**	$3,852.25
			Total cost:	**$28,608**

The estimated total cost of tuition and fees for domestic students is based on the recommended course load per year.

*.5 indicates a combination of full-time semester(s) and part-time semester(s) in the same academic year. In many cases, students are completing a practicum during their part-time semester. Part-time students are those taking less than nine (9) course credits in a semester. You will not be eligible for the UPass in your part-time semester.

**Based on six months of health and dental benefits only.

International Students

The program total is based on the estimated amount you will pay if you enter this program during the 2026/27 academic year. The program total amount listed on your letter of admission may appear higher. This amount is your maximum tuition guarantee for the program. SAIT will not exceed this maximum, regardless of changes in tuition and fees between academic years.

Year	Number of semesters	Tuition fees	Additional fees	Total per year
1	2.5*	$27,258	$2,015	$29,273
2	3	$23,541	$2,445.75	$25,986.75
3	1	$7,434	$882.25**	$8,316.25
			Total cost:	**$63,576**

The estimated total cost of tuition and fees for domestic students is based on the recommended course load per year.

*.5 indicates a combination of full-time semester(s) and part-time semester(s) in the same academic year. In many cases, students are completing a practicum during their part-time semester. Part-time students are those taking less than nine (9) course credits in a semester. You will not be eligible for the UPass in your part-time semester.

**Based on six months of health and dental benefits only.

Books and Supplies

Books and supplies are approximately $3,200 for the entire program.

This is a bring-your-own-device program with a standard computer hardware and software requirement. See the specific requirements on our computers and laptops page. A Windows-based laptop or Apple tablet is required. A mobile phone is not a suitable alternative.

Find your booklist on the SAIT Bookstore's website. Booklists are created by semester and available approximately two weeks before classes begin.

Required uniforms and personal protective equipment (PPE)

The industry-approved PPE you'll need will be discussed during your first few days of classes.

For your first day of labs, your required uniform will include:

- plain black scrub-style pants and top (coloured piping accents are acceptable)
- closed-toe and heel footwear in plain white or black (no logos or stripes of colour), runners, or duty shoes
- short black/white lab coat (optional.)

Additional fees

- A fee is associated with obtaining a police information check, including a vulnerable sector check, payable to the police or the Royal Canadian Mounted Police (RCMP).
- The School of Health and Public Safety strongly recommends that students meet Alberta Health Services' Standard for Immunization of Post-Secondary Health Care Students. Fees for completing immunization requirements start at $85, however, may increase, depending on your vaccination history, and any new immunizations you choose to acquire.
- A fee of approximately $50 to $100 is associated with an electronic student permit checking submission, which is required for clinical practicum placements, payable to Synergy Gateway through the Verified software platform.
- Basic Life Support (BLS) Provider (Level C) CPR annual updates are required. All CPR courses must be from the Heart and Stroke Foundation.
- A fee is associated with the CompTracker application used in this program.
- You are responsible for additional expenses related to your practicum, including pre-practicum requirements and relocation costs to practicum sites outside of Calgary.
- Canadian Association of Medical Radiation Technologists (CAMRT) certification exam fees are approximately $840, with an additional exam registration fee.
- Annual dues to the Alberta College of Medical Diagnostic and Therapeutic Technologists are approximately $100.