



CREDENTIAL	PROGRAM CODE	AREA OF INTEREST	LOCATION	DURATION
Ontario College Advanced Diploma	Fall: 0602	Health	Thunder Bay	2.5 -year

## Overview

### More Than Just X-Rays: Seeing Inside the Human Body

Embark on a highly sought after, cutting-edge healthcare career with Confederation College's 2½-year Medical Radiation Technology Advanced Diploma program. As a Medical Radiation Technologist (MRT), you'll play a crucial role in healthcare, operating sophisticated imaging equipment to aid in diagnosing and treating trauma and disease. This dynamic field combines high-level technology with compassionate patient care, offering a unique and rewarding career path.

Our comprehensive program equips you with the skills to operate x-ray and CT equipment, ensure proper radiation safety, manage patients effectively, and understand human anatomy and pathology. You'll develop critical thinking skills for patient positioning and image quality evaluation, all within a professional environment. With a blend of classroom learning and hands-on clinical experience, you'll be well-prepared to enter this vital healthcare profession.



### Top Highlights

- **Accredited Program:** Accredited by Accreditation Canada, ensuring high-quality education.
- **Certification Ready:** Graduates are eligible to write the Canadian Association of Medical Radiation Technologists (CAMRT) certification exam.
- **Extensive Clinical Experience:** Three semesters of clinical rotations at partner hospitals in such locations as northwestern Ontario, Sault Ste Marie and Windsor.
- **Advanced Skills:** Become competent in intravenous (IV) insertion, starting with simulation practice.
- **Personalized Learning:** Enjoy small class sizes with individualized attention and evening access to facilities.



### Experiential Learning

Labs, Placement



### Employment Opportunities

After graduation and successful completion of the CAMRT Certification Exam, MRTs can apply to work anywhere in Canada.

Graduates of the Medical Radiation Technology program can pursue diverse roles, including:

Diagnostic Imaging Technologists in Hospitals, Clinic-based MRTs, Canadian Armed Forces MRT, Digital Imaging Manager, Equipment Sales and Service Representative, Research and Development Specialist in Medical Imaging, Educator in Medical Radiation Technology



### Ideal Candidate

- Tech-Savvy, Physical Capabilities, Detail-Oriented, Compassionate, Quick Thinker, Team Player



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# Medical Radiation Technology

## Admission Requirements

- Ontario Secondary School Diploma (or equivalent) with courses from the College (C), University (U), University/College (U/C), or Open (O) preparation levels with Grade 12 English (C/U) Level.
- or successful completion of the Mature Student Assessment.
- or successful completion of the General Education Development Test (GED).
- or appropriate credits from the Academic and Career Entrance program (ACE).

## Additional Required Courses

- Grade 12 Math (College or University Preparation) &
- Grade 11 or 12 Physics (College or University Preparation) &
- Grade 11 or 12 Biology OR Chemistry (College or University Preparation)

## Minimum final grade of 75% in each required course

- If you are currently enrolled in a required course, you must have a midterm and final mark of 75% or higher to qualify for selection/admission.

## Program Requirements

- Completion of MRT - Program Choice Questionnaire
- Two reference letters

**We are only able to consider applications from permanent residents of Canada.**

## Alternative Pathways

If you do not possess the necessary admission requirements (or equivalency), we encourage you to consider our Pre-Health Sciences-Pathway to Advanced Diplomas and Degrees program which will provide you with the necessary preparation to apply to this program. Completion of the Pre-Health Sciences-Pathway to Advanced Diplomas and Degrees program does not guarantee admission to the Medical Radiation Technology Program in a subsequent year.

## Articulation Agreements

Confederation College has agreements in place that permit credits earned throughout this program to be transferred to programs at other colleges and universities.

Visit: [confederationcollege.ca/articulation-agreements](http://confederationcollege.ca/articulation-agreements) for more information.

## Note

Graduates must pass an entry-to-practice exam through the Canadian Association of Medical Radiation Technology in order to practice in Canada.

## Clinical Placements

Approximately half the class will complete their three semesters of clinical placement at a hospital outside of Thunder Bay. All placement locations include day, evening, and weekend shifts. Proof of immunizations and a vulnerable sector criminal reference check is required for placement.

## First Semester

AB 113 Anatomy & Physiology I  
CS 050 College Writing  
RA 111 Patient Management  
RA 113 General Radiography I  
RA 115 Radiographic Equipment Operation I  
RA 117 Clinical Lab I  
RA 119 Radiographic Anatomy & Pathology I  
SY 066 Sociology of Community:  
The Indigenous Context

## Second Semester

AB 214 Anatomy & Physiology II  
RA 208 Professional Practice  
RA 209 Radiographic Anatomy & Pathology II  
RA 211 General Radiography II  
RA 213 Radiographic Equipment Operation II  
RA 215 Radiation Safety  
RA 217 Clinical Lab II  
RA 219 Radiographic Procedures

## Third Semester

CS 224 Introduction to Research Methods  
PY 169 Interpersonal Communications Skills  
RA 311 Adaptive Imaging  
RA 313 Radiographic Equipment Operation III  
RA 314 Quality Management  
RA 315 Cross Sect Anatomy/Pathology  
RA 317 Clinical Lab III  
RA 319 Computed Tomography (CT)

## Fourth Semester (Spring)

GE General Elective  
RA 410 Clinical Rotation I  
RA 412 Research Study

## Fifth Semester

RA 510 Clinical Rotation II

## Sixth Semester

RA 608 Comprehensive Exam  
RA 610 Clinical Rotation III  
RA 618 Exam Review



**Have questions? Want to apply?**  
Contact [recruitment@confederationcollege.ca](mailto:recruitment@confederationcollege.ca)

