

CT THERAPY CERTIFICATE

for the

RADIATION THERAPIST



CANDIDATE HANDBOOK

2026

© Canadian Association of Medical Radiation Technologists

Tel: 1-800-463-9729 or (613) 234-0012

www.camrt.ca <http://www.camrt.ca/>

E: specialtycertificates@camrt.ca

Introduction

Improvements in digital technology have allowed for the use of CT in the practice of radiation therapy to more accurately plan and individualize treatment for each patient. Use of CT has allowed for more accurate treatment simulation, treatment planning and treatment delivery.

The success of cancer treatment is dependent upon the accuracy and the quality of the design and delivery of the radiation beam. Use of CT improves targeting of the cancer and the avoidance of unnecessary irradiation to normal tissue, and organs at risk.

This certificate program discusses the recognition of anatomical structures on CT, the appearance of oncologic presentations and adapting scan parameters to optimize imaging.

Candidates who successfully complete the didactic and clinical components from CAMRT are eligible to receive a CT Therapy Certificate (CTRT) in and can use the designation "CTRT".

Individuals with questions about the CT Therapy Certificate are encouraged to contact us. Email is preferred for the quickest service.

CAMRT
Tel: 1-800-463-9729 or (613) 234-0012
Email: specialtycertificates@camrt.ca.
Web site: www.camrt.ca

Purpose and Benefits

Purpose of the Program

The intent of the CT Therapy Certificate (CTRT) is to provide a mechanism for radiation therapists to demonstrate knowledge and competence in the field of CTSIM, to promote standards of excellence within this clinical area, and to identify those who have met a nationally recognized standard. There is a didactic and clinical portion of the program. The purpose of the clinical element, called the Summary of Clinical Competence (SCC) is to allow the technologist to record procedures performed under the supervision of a clinical advisor that attests to the technologist's competence in the performance of imaging and associated procedures. The Clinical Advisor (CA) or Delegated Assessor (DA) attests to the consistent competent performance by the technologist for each procedure/competency.

This certificate is intended to:

- be dynamic and progressive in nature to address the current and future challenges in CTSIM
- provide a Canadian credential that is sought by qualified radiation therapists
- provide a Canadian credential that is advocated by employers
- provide an opportunity for continuing professional development
- enhance safe and effective practice as described by the CAMRT Member [Code of Ethics and Professional Conduct](#).

Benefits of the Program

Completion of this program demonstrates that an MRT has proven high-level academic experience and validated clinical competence. Sites thrive when colleagues, new hires and management can all rely on highly skilled and trusted technologists, and technologists are also most confident when they can demonstrate a validated level of excellence. Teamwork is bolstered by experienced MRTs validating clinical skills, leading to cohesive, trusted and safe practice.

This certificate program is created with the intent to ensure that successful candidates are highly skilled in CTSIM, are exceptional colleagues and caregivers, and provide exceptional patient care.

Program Overview

The CTRT program's didactic and clinical components must be completed within 5 years of the successful completion of the first eligible CT course in the series – usually, this is your pre-requisite course.

After review and approval of all components by the CT Committee, the CT Therapy Certificate is granted to the therapist. The credential granted is **CTRT**.

It is the intent that those who earn the CTRT credential will continue their professional development. Ongoing continuing education is recommended to remain current in the dynamic field of CT.

The achievement of competence in this program is characterized as follows:

- When presented with situations, the MRT performs relevant competencies in a manner consistent with generally accepted standards and practices in the profession, independently and within a reasonable timeframe. The MRT anticipates what outcomes to expect in a given situation, and responds appropriately, selecting and performing competencies in an informed manner.
- The MRT recognizes unusual, difficult to resolve and complex situations which may be beyond their capacity. The MRT takes appropriate and ethical steps to address these situations, which may include consulting with others, seeking supervision or mentorship, reviewing literature or documentation, or referring the situation to the appropriate healthcare professional.

Individuals with questions about certificate programs are encouraged to contact us. **Email is preferred for the quickest service; French assistance is available via email, but all materials are in English. Do not use postal mail to submit documents**, questions or certificate-related printouts unless directly requested to do so.

CAMRT
Tel: 1-800-463-9729 or (613) 234-0012
Email: specialtycertificates@camrt.ca.
Web site: www.camrt.ca

Recent Updates

1. A recent update (2026) is the **adjustment of the dedicated CT Simulation experience requirement** to reduce confusion and address competing timeline considerations. A minimum number of 10 dedicated weeks of full-time practice in CTSIM is now required, following registration into the CTRT. This is the minimum amount of time required to successfully complete the SCC – your SCC will not be accepted after fewer than 10 weeks of CTSIM practice. This experience requirement is in addition to the requirement of the candidate to repeatedly and consistently perform the competencies outlined in the SCC. The SCC has also been revised to add more specificity in the definitions of competence for the clinical elements and a more specific declaration of competence, to better support participants.
2. There is a return-to-work form that is in place as of 2026 to ensure safe and effective return to work on the certificate clinical programming after an extended leave.

Program Eligibility

The CAMRT CT Therapy Certificate program is available to:

- **Radiation therapists** who have been certified by the CAMRT only, and
- Internationally educated medical radiation technologists (IEMRTs) in the specialty of radiation therapy who are graduates of medical radiation technology programs similar to Canadian accredited programs.

There is additional documentation required from IEMRTs who have not passed the Canadian CAMRT entry-to-practice certification exam:

1. **Original letter** from entry-level education program verifying length of program to include both didactic and clinical components of the program
2. **Notarized copy** of diploma/degree/certificate from entry-level education program (attested true copies by an attorney who is a member of their regulator or WES authenticated documents can also be accepted those as one-offs above/in lieu of a notarized degree)

3. Letter of Attestation

- Required documentation not received within **30 days** of program registration will result in a program cancellation/partial refund. CAMRT strongly recommends candidates obtain required documentation **prior to** program registration

- Send documents electronically in a SINGLE SCAN or PDF within the required timeframe to CPD@camrt.ca or specialtycertificates@camrt.ca
- Candidates may begin working on the Summary of Clinical Competence **only upon confirmation and approval** of received documentation from CAMRT.

For all candidates, please note that coursework that is older than 5 years old is not typically eligible for certificate programs due to the changing nature of the material. If you have experience in CT and CTSIM and can reasonably pass the course's exam material, we encourage you to challenge that exam.

Contact specialtycertificates@camrt.ca for further information.

Program Registration

Registration for the CTRT is done through the [CAMRT website](#). You must register in each course individually (didactic components) **and** into the certificate program to access the clinical portion of the program (the SCC). You must do this **after** meeting any prerequisite requirements. The SCC is updated annually and you are to submit the SCC from the year of your registration.

The prerequisite for this Certificate Program is the successful completion **or** [Prior Learning Assessment and Recognition](#)* (PLAR) of CAMRT's CT Imaging (CTI) 1 exam or first eligible course from the CT series. A **minimum final exam mark of 75% is required.**

The SCC for the CT program will be made available in the candidate's personal profile on the CAMRT website at the time of program confirmation. **Competencies performed before registration into the certificate program will not be considered for this program.**

NOTE: CAMRT both advises and expects that the candidate will hold sufficient personal liability coverage and any other employer required insurance coverage (ex: WSIB, AD & D) and receive the required permissions needed to complete the clinical requirements as outlined in the SCC. It is the candidate's responsibility to ensure they have the appropriate insurance coverage and permissions from their employer to complete this certificate program.

Didactic Component

The didactic/coursework component consists of:

- CAMRT CT Imaging 1 (or PLAR)
- CAMRT CT Imaging 2 – Radiation Therapy
- CAMRT CT Imaging 3 – Radiation Therapy
 - (1) Quick Self Study from the following choices: Stereotactic Body Radiation Therapy; Respiratory Gating; Brachytherapy; Stereotactic Radiosurgery. These are short online modules, which must be completed within the five years prior to SCC submission.

Candidates must pass the courses and achieve a minimum score of **75%** on the final examinations of each course applied to the CTRT.

Candidates who feel that they have the essential knowledge gained through relevant work experience and professional development may **challenge** the final exams for each of the three CT courses. A minimum mark of 75% must be achieved on any challenge exam. Rewrites are **not** allowed for challenge exams for the CT courses.

Full course descriptions and policies are available on our [website](#), by request and upon registration, and include information on registering, failure of exams/quizzes, access, academic integrity rewrites, and fees. You, as a candidate, are bound by these policies – please review them carefully and ask CAMRT if you have questions.

The SCC may not be submitted until all didactic courses are complete. All components must be complete within a five-year timeframe.

Clinical Component

The **SCC** is a logbook of procedures and associated competencies that must be assessed by a clinical advisor and/or delegated assessors. This represents the clinical component of the certificate program. **Only competencies performed after program registration will be accepted in the SCC.** The SCC requires the candidate to practice in CTSIM and complete competencies under the following conditions:

- Practice under the supervision of an eligible Clinical Advisor (CA) and optional Delegated Assessors (DA)
- Complete the competencies listed in the SCC under supervision
- Complete the CTSIM experience requirement as outlined in the SCC:

- o The candidate must practice in **dedicated CTSIM for at least 10 weeks (full time shifts or equivalent* with no fewer than 350 hours met) as a certified MRT after registration into the certificate program and before their program end date**
- o This experience may **not** predate registration into the certificate program.

Dates and signatures must be full (no initials, please make the date, month, and year clearly identifiable) and in “ink” (digital signatures are not accepted at this time).

Audits will be conducted at the Committee’s discretion to ensure the proper process has been followed. Approximately 10% (or higher) of SCCs are audited per year.

*If you work part-time, split or hybrid shifts or another unusual shift pattern, please contact CAMRT to discuss your eligibility for the program experience requirement.

Clinical Advisor (CA)

It is the candidate’s responsibility to obtain a CA and site for the clinical component of the program. If multiple sites are used, a CA must be identified at each site. Please ensure that the CA completes all of the SCC’s introductory forms (contact information, checklist, roles, and responsibilities form) at the time when you register into the program to ensure the clinical advisor/delegated assessor is made aware of their role. To maintain the integrity of CAMRT Certificate programs, it is essential that all parties involved in the training and evaluation of certificate program candidates follow the procedures set out in the Program Handbook and SCC.

Completion of this certificate indicates a level of competence **above entry-to-practice** that has been verified through the requirements of the program and by the CA.

Each CA is responsible for assigning their own DA, if applicable, and to ensure that all parties have signed all forms and pages where these signatures appear. The following criteria apply to domestic and international CAs for international candidates.

All Clinical Advisors must:

1. Be a radiation therapist with a CAMRT CTRT credential **and/or a radiation therapist** with a minimum of 5 years' experience in the practice of CTSIM*
2. Be currently practicing in CTSIM
3. Not be currently registered in any of the CT Certificate programs
4. Identify others delegated to assess the candidate and ensure they are credentialed and competent in their practice ("DA")
5. Perform the assessment on the candidate for all procedures/associated competencies or delegate the assessment to another credentialed technologist
6. Attest to overall consistent competency of the candidate by signing at the end of each module.

**If this is not possible, please contact CAMRT.*

Additional Information for Clinical Advisors outside of Canada:

The following must be submitted within 30 days of program registration or the registration will be withdrawn:

- A notarized copy or a certified true copy by a regulated attorney of the advisor's credentials (degree, diploma, or certificate)
- Internationally Educated Medical Radiation Technologist Clinical Advisor Verification of Experience form with a hospital seal affixed to this form
- Clinical Advisor (CA) Check List
- All internationally educated clinical advisors without a completed CTRT certification or who have passed the CAMRT's entry-to-practice certification exam must submit the IEMRT Clinical Advisor Verification of Eligibility Form.

See end of Handbook for required forms.

Role of a Clinical Advisor

The CA's responsibilities include:

- Reviewing the Program Handbook and SCC with the candidate
- Mentoring and supporting candidates in their skill development, especially in developing transferrable skills
- Assessing **firsthand** competency/procedures performed by the candidate and verify competence by signing and dating each procedure in the SCC at the time competence is established and/or to delegate assessment duties to individuals who have the required expertise and qualifications

- Ensuring all delegated assessors have read the most **current** version of the Program Handbook and SCC and are verifying competence in a method consistent with the program Handbook and SCC guidelines for supervision
- Attesting to the candidate's overall competency in a module by signing at the end of each module, as outlined in the SCC
- Verifying the overall competence of the candidate at the end of the clinical placement by signing the Declaration of Completion.

During clinical placements, the following criteria must be upheld:

- All competencies must be **performed** independently by the candidate on a patient under supervision of a CA (or their DA)
- A candidate cannot be deemed competent if they have only observed or simulated a procedure, unless otherwise indicated in the SCC.

The clinical advisor/delegated assessor must **witness competent practice for a procedure/competency multiple times** prior to the date of the final assessment. A signature in the SCC verifies that the technologist has **consistently shown they have the knowledge, skill and judgement to be declared competent in each aspect of practice.**

It is recognized in some circumstances that procedures are not performed frequently; however, it is appreciated that there is a transference of skills between many procedures. **It is the responsibility of the clinical advisor or delegated assessor to ensure this expected level of competence as evidenced by their signatures in the appropriate areas.**

Role of the Delegated Assessor

It is the **Clinical Advisor's** responsibility to identify and assign a Delegated Assessor (DA) at their clinical site, if they wish to use one, and to ensure they are aware of their role. These DAs may supervise and sign off on SCC competencies when the CA is not available.

The delegated assessor must:

1. Be a radiation therapist with a CTRT credential **and/or** be a radiation therapist with a minimum of two years' experience in the practice of CTSIM
2. Be currently practicing in CTSIM
3. Not be currently registered in any of the CT certificate programs
4. Observe and assess each procedure/competency and sign/date the SCC on the date it has been verified and confirmed with the same rigor as the CA, as outlined in the program Handbook and SCC

5. NOTE: The DA may **not** complete the **module** sign-off, this is the responsibility of the **CA**.

Detailed guidelines for assessment of competency are found in each module of the SCC. The guidelines provide an overview of the expectation for assessment by the clinical advisor or delegated assessor.

Though we recognize their utility, please ensure that you do use your DA(s) judiciously and that they sign the contact confirmation – too many DA contacts may cause confusion and slow down review of the SCC.

It is recognized that being a CA or DA adds to your already heavy workload and responsibilities in your daily practice. The CAMRT appreciates your professionalism and commitment to help the candidate continue their education in an ever-changing healthcare environment.

Format of the Summary of Clinical Competence

You must retain a record (or have access to a record) of the completion of **all mandatory competencies** in case of audit.

Candidates must complete a minimum of 10 of the listed electives.

All electives (except for those in Module 8) must be performed clinically.

Electives must be performed clinically unless the SCC procedure indicates otherwise.

The webpage provides an overview of the requirements in the SCC.



Competencies should not include any patient identifiers (health or exam number).

Program Extension

Extensions beyond the five-year time frame are available under exceptional circumstances. Contact [CAMRT](#) **prior to your program expiration date** for information.

Extensions to accommodate protected leaves within your program (i.e. parental leaves) should be communicated to [CAMRT](#) **prior to your program expiration date** to ensure that you can be assisted.

There is a fee associated with extension requests. Extensions are not guaranteed. You can view your program end date in your Portal.

Extensions for specific extenuating circumstances can be made by contacting CAMRT via email at specialtycertificates@camrt.ca.

Return to Work Attestation

Candidates must submit the completed Return to Work Attestation with the Summary of Clinical Competence to the CAMRT for review and approval by the CT Committee **if** they have taken an extended leave from their work (i.e. for a parental or illness leave).

Submission of SCC

Candidates must submit the completed Summary of Clinical Competence to the CAMRT for review and approval by the CT Committee.

Ensure that you submit one single, in order, complete PDF that includes all CPR and other documentation. Please name the file "SCC Submission_LASTNAME".

Electronic copies submitted as one file may be submitted to specialtycertificates@camrt.ca.

Incomplete Summary of Clinical Competence – Resubmission Fee

Any Summary of Clinical Competence deemed incomplete will be subject to a resubmission fee. This also applies to any incomplete didactic requirements.

CTRT Program Overview	
Certificate Components	<p>Didactic (coursework) Requirement</p> <ul style="list-style-type: none"> • CT Imaging 1 (prerequisite) • CT Imaging 2 - Radiation Therapy • CT Imaging 3 – Radiation Therapy • Quick Self Study (1 of 4 choices). • 75% or higher on final exam/quiz is required.
	<p>Clinical (competencies) Requirement</p> <ul style="list-style-type: none"> • Verification of Experience • A Summary of Clinical Competence (SCC)
Timelines	<p>Candidates have 5 years from the date of completion of their first eligible pre-requisite course to complete all remaining requirements of this certificate program.</p>
	<p>The Verification of Experience form is part of the SCC, and it is signed by your supervisor/manager before or during the completion of your clinical competencies. This is not a prior experience pre-requisite form. The candidate must practice in CTSIM for at least 10 weeks (and no fewer than 350 hours) before submitting the SCC. This must take place after registration into the certificate program. This clinical experience may only be acquired as a certified medical radiation therapist practicing in CTSIM with access to their experienced CA or DA.</p>
	<p>Once registered in the certificate program, the candidate may begin working on their SCC and complete the competencies under supervision. Ensure you have your CA/DA pages signed at the time that they begin observing exams!</p>
<p>(1) Required Quick Self Study must be completed before or during the CTRT program, but must be no more than 5 years old at the time of the Summary of Clinical Competence (SCC) submission.</p>	
<i>SCC SUBMISSION IS THE FINAL STEP OF YOUR CTRT</i>	

Forms for International Candidates and CAs

INTERNATIONALLY EDUCATED MEDICAL RADIATION TECHNOLOGISTS CERTIFICATE PROGRAM REGISTRATION ATTESTATION STATEMENT

Included with this signed statement, is the required documentation to finalize my Certificate Program Application with the Canadian Association of Medical Radiation Technologists.

Candidate Name: _____

Certificate Program: _____

Title of Program Completed: _____

Name of Diploma/Degree: _____

Educational Institution for theoretical instruction: _____

Institution for Clinical Training: _____

Length of Total Program: Theoretical (months)  **Clinical (months)** 

By signing below, I verify that:

- ✓ All statements and documentation in this application are accurate. I understand that a false or misleading statement, omission or misrepresentation may compromise my registration request.
- ✓ The documentation attached regarding my education program and/or my clinical advisor is original and has not been modified in any way.
- ✓ I authorize CAMRT to contact any authority, institution, association, body or person in any jurisdiction to verify the statements in my application and related documents.
- ✓ I understand that I may be required to submit further information if required.

Signature of Applicant

Date (month/day/year)



**Internationally Educated Medical Radiation Technologist
International Clinical Advisor Verification of Experience**

Hospital/Organization: _____

Name of Supervisor: _____

Supervisor Credential(s): _____

Supervisor Email: _____

NAME OF CERTIFICATE CANDIDATE: _____

To CAMRT Certificate Programs:

This is to confirm _____ **(name of Clinical Advisor)**
is a current employee of the above noted hospital/organization.

The Clinical Advisor listed above is:

- A registered medical radiation therapist with a minimum of five years' experience in the practice of CTSIM
- Currently practicing in CTSIM

My signature below confirms the above meets the CAMRT's eligibility requirement to act in a Clinical Advisor (CA) role for the purpose of the CTRT Certificate program.

The affixed hospital seal confirms the authenticity of this submission.

Signature of Clinical Advisor Supervisor/Employer

Date



International Clinical Advisor (CA) Check List

To maintain the integrity of CAMRT Certificate programs, it is essential all parties involved in the training and evaluation of certificate program candidates follow the procedures set out in the Program Handbook and Summary of Clinical Competence (SCC). A CAMRT Certificate indicates a level of competence above entry-to-practice that has been verified through the requirements of the program.

As such, CAMRT must ensure all Clinical Advisors meet the same standards and are eligible to take on this assessment role.

This form must be submitted to the CAMRT along with the notarized documentation required for all internationally educated medical radiation technologists.

I, _____, acknowledge by my initials, the following to be true.

	<p>I am a radiation therapist with a CAMRT CTRT credential and/or a radiation therapist having a minimum of five years' experience in the practice of CTSIM.</p> <p>*or other: _____</p>
	I am currently practicing in CTSIM.
	I am not currently registered in any of the CAMRT CT certificate programs.
	<p>I have no conflicts of interest* with the CTRT candidate.</p> <p>*Conflicts of interest may include:</p> <ul style="list-style-type: none">• Close personal relationships that could threaten independence or objectivity during assessments<ul style="list-style-type: none">• Spouse or family member• A direct report (i.e. the assessor reports to the candidate)

I understand that any false or misleading statement, omission or misrepresentation may result in the candidate's automatic withdrawal from the program and/or revocation of any CAMRT designations.

Clinical Advisor Signature

Date