

CANCER CENTRE OF SOUTHEASTERN  
ONTARIO

# MEDICAL PHYSICS RESIDENCY PROGRAM 2026

KINGSTON, ONTARIO



## Program Overview

The Medical Physics Residency Program at the **Cancer Centre of Southeastern Ontario (CCSEO)** is CAMPEP accredited and provides a rigorous and practical foundation for a career in radiation oncology physics.

Come join us on a two-year journey designed to equip you with the knowledge and skills to excel in radiation oncology physics. With a focus on innovation, precision, and patient-centered care, our program ensures you're ready to tackle the complexities of clinical practice and beyond. All of our CCSEO CAMPEP residency graduates are certified (CCPM) and working in clinics across North America.



Cancer Centre of  
Southeastern Ontario  
A Cancer Care Ontario Partner

Kingston Health  
Sciences Centre      Centre des sciences de  
la santé de Kingston



Queen's  
UNIVERSITY

# A comprehensive curriculum

Our residency program offers a structured learning experience through a variety of rotations and training modules, including:

- Dosimetry and Quality Assurance
- Treatment Planning
- Brachytherapy
- Specialized Techniques
- Radiation Safety

Residents also lead a research project during the program, enabling them to contribute to advancements in the field while building their analytical and investigative skills.



## State-of-the Art Facilities

At CCSEO, you'll work with advanced technology, including:

- 4 Varian Truebeam Linear Accelerators
- 2 CT Simulators
- Orthovoltage Unit
- Elekta Flexitron HDR Brachytherapy
- Eclipse/ARIA



## Medical Physics Staff

- 6 Medical Physicists
- 2 Medical Physics Residents
- 2 Physics Technicians
- 2 Accelerator Service Technicians
- 1 Admin Assistant

## Brachytherapy @ CCSEO

Residents in the Medical Physics Residency Program gain hands-on experience in all aspects of brachytherapy, including treatment planning, dose optimization, and quality assurance. Our HDR brachytherapy program treats a wide range of disease sites, including prostate, gynecological, esophagus, lung, and breast.

*The residency program at CCSEO provided me with comprehensive clinical training, offering both in-depth knowledge and hands-on learning experience in the entire radiation therapy process. This program has prepared me to become a skilled and competent clinical medical physicist in future.*



**Fateen Basharat, PhD**  
Medical Physics Resident

The smaller size of the CCSEO program is a significant advantage, offering residents personalized training and close mentorship from experienced physicists. With only one resident admitted annually, each trainee benefits from tailored guidance, ample hands-on opportunities, and a supportive learning environment. Graduates of the program are well-prepared to apply for membership in the Canadian College of Physicists in Medicine (CCPM) and pursue rewarding careers in clinical physics.

## Career Preparation



## Join Us at CCSEO!

The CCSEO Medical Physics Residency Program participates in the [Medical Physics Match Program](#) and accepts one new resident annually for this two-year program.

Register for the Medical Physics Match, then submit your application to Kingston Health Sciences Centre.

Applications are due by **January 31, 2026**.  
(Medical Physics Match Program, Track #18711)

Contact Program Director Andrew Kerr at [andrew.kerr@kingstonhsc.ca](mailto:andrew.kerr@kingstonhsc.ca) for more information.

## Living in Kingston

Come enjoy the vibrant lifestyle that Kingston offers. Known for its rich history, lively arts scene, and breathtaking waterfront, Kingston provides the perfect backdrop for both professional development and personal fulfillment.

