

THE ACCELERATED EDUCATION PROGRAM PRESENTS:

# Accelerator Technology Education Course

Spring 2023!

The Accelerator Technology Education Course (ATec) is targeted at medical physics trainees, physics associates, accelerator services personnel, regulatory and standards body personnel interested in enhancing their understanding of linear accelerator technology. This immersive course will examine the theory, functionality, and basic service principles of linear accelerators in a multidisciplinary forum emphasizing the clinical relevance of all components of linac servicing - from beam tuning, troubleshooting imaging systems and safety issues related to accelerator servicing.

**This course will include 2 sections:**

1. Virtual: May 31 & June 7 (Wednesdays, 2 - 5 PM each day)
2. In-person: June 14 & 15 (Wednesday & Thursday)

**Course Directors: Mr. Bern Norrlinger & Dr. Patricia Lindsay**

## Course Objectives:

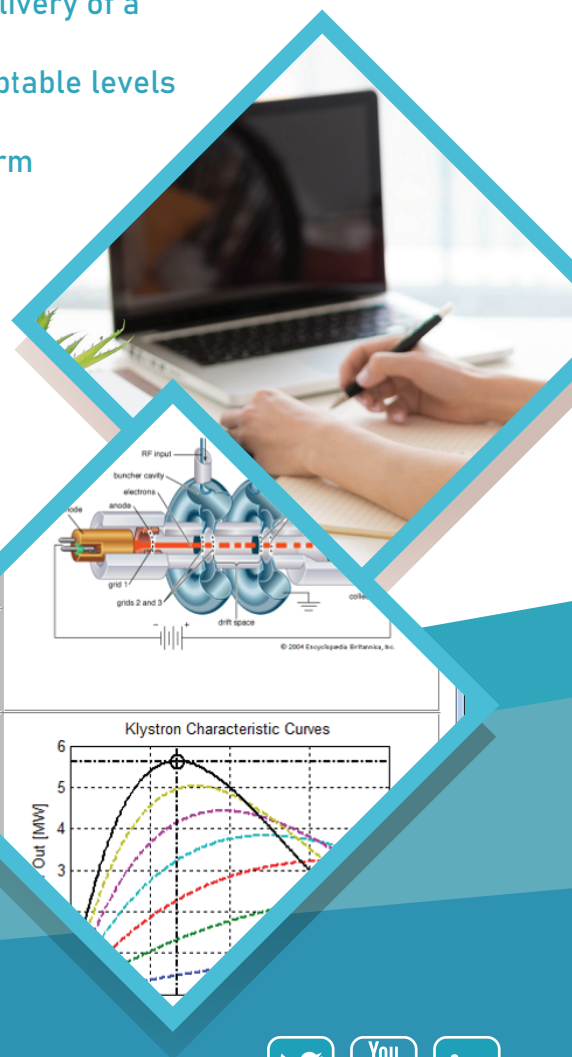
By the end of this course, participants will be able to:

1. Describe linac components and their role in the production and delivery of a standard radiation beam
2. Identify when performance of various components fall out of acceptable levels and how that impacts delivery of radiation
3. Troubleshoot deviations using a simulation-based software platform
4. Identify common image quality issues and their cause
5. Manage accelerator servicing activities

## Course Details:

- Combination of online and in-person sessions
- Mix of didactic sessions & simulated learning experiences with interprofessional expert faculty
- Self-directed content, recordings, tasks and computer-based lab assignments (estimated time commitment - 5 hours)
- Registration: \$1,100 CDN

**SPACE IS LIMITED! Register by contacting us at: [aep@rmp.uhn.ca](mailto:aep@rmp.uhn.ca) or visit [AEPeducation.ca](http://AEPeducation.ca)**



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