

MEDICAL RADIATION PHYSICS (GR. DIP.) (30 CREDITS)

Offered by: Medical Physics Unit (Faculty of Medicine and Health Sciences)

Program credit weight: 30

Program Description

The Graduate Diploma in Medical Radiation Physics is intended to provide candidates holding a graduate degree in a related field with the knowledge required to enter into the field of medical physics. The program relies on a strong fundamental science background. The graduate diploma program is accredited by the Commission for Accreditation of Medical Physics Education Programs (CAMPEP) only for students holding a Ph.D. degree.

Note: For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

Required Courses (30 credits)

Expand allContract all

Course	Title	Credits
MDPH 601	Radiation Physics.	3
MDPH 602	Radiotherapy Physics.	3
MDPH 603	Laboratory Radiotherapy Physics.	2
MDPH 607	Medical Imaging.	3
MDPH 608	Laboratory - Diagnostic Radiology and Nuclear Medicine.	2
MDPH 609	Radiation Biology.	2
MDPH 610	Instrumentation and Computation in Medical Physics 2.	2
MDPH 613	Health Physics.	2
MDPH 614	Physics of Diagnostic Radiology.	3
MDPH 615	Physics of Nuclear Medicine.	2
MDPH 618	Anatomy and Physiology for Medical Physics. ¹	3
PHIL 643	Seminar: Medical Ethics.	3

¹ Or an equivalent course, at the 500-level or higher, as deemed appropriate by the Graduate Program Director.