

## Course Curriculum: Non-Certified Medical Dosimetrists (International Route)<sup>A</sup>

**Prerequisites:** Cross-Sectional Anatomy, Human Anatomy & Physiology

### Curriculum

#### Core Courses (39 credits required)

MD502	Radiation Biology	(3 credits)
MD505	Radiation Oncology I	(3 credits)
MD506	Radiation Oncology II	(3 credits)
MP520	Computer Systems in Medicine	(2 credits)
MHP510	Health Physics and Radiation Safety	(3 credits)
MHP607	Radiation Oncology Department Management	(2 credits)
MHP609	Radiation Oncology Financials	(2 credits)
MP590	Medical and Professional Ethics	(1 credit)
MATH501	Mathematical Methods	(3 credits)
MP599	Seminars <sup>B</sup>	(2 credits)
MD588	Clinical Treatment Planning I	(2 credits)
MD590	Clinical Treatment Planning II	(2 credits)
MD688	Clinical Treatment Planning III	(2 credits)
MD690	Clinical Treatment Planning IV	(2 credits)
MD695	Capstone	(3 credits)
MD699	Clinical Internship <sup>C</sup>	(4 credits)

#### Elective Courses (6 credits required)

MD501	Radiation Dosimetry	(4 credits)
MD611	Brachytherapy <sup>D</sup>	(3 credits)
MD503	Diagnostic Radiology	(3 credits)
MD504	Nuclear Medicine	(3 credits)
MD613	Nuclear Oncology	(3 credits)
MD615	Proton Therapy	(2 credits)
MD630	Contouring, Imaging, and Special Procedures <sup>E</sup>	(2 credits)
MD633	Informatics in Radiation Oncology <sup>E</sup>	(2 credits)
MD635	Clinical Safety and Quality Assurance <sup>E</sup>	(2 credits)

<sup>A</sup> The Non-Certified Medical Dosimetrist Route for international students allows graduates to be eligible to take the Medical Dosimetrist Certification Exam through the Medical Dosimetrist Certification Board (MDCB) as an international candidate who did not complete a JRCERT accredited program. Eligibility requirements can be found at [www.mdcb.org/exam-information/exam-dates-and-fees/international-exam-policy](http://www.mdcb.org/exam-information/exam-dates-and-fees/international-exam-policy)

<sup>B</sup> Required to complete two 1-credit Seminars courses

<sup>C</sup> The clinical internship requires 1,000 hours to be completed concurrently with the degree program.

<sup>D</sup> This elective is required to be eligible for the Medical Dosimetrist Certification Exam through the MDCB as an international candidate who did not complete a JRCERT accredited program.

<sup>E</sup> This course is required for the Practitioner Concentration. Upon completion of the first two semesters, students are eligible to take this course upon receiving satisfactory evaluation of both academic and professional performance.