



Medical Dosimetry Curriculum

(BS Physics/Math Track)

2015-2016

During the 15-month Certificate Program in Medical Dosimetry, students take formal classes along with instruction in a clinical setting. This includes participation, under close supervision, in the actual procedures within the Radiation Medicine Department. The program is full-time (40 hours per week) arranged around lectures and coordinated with participating clinical affiliates.

Fall Quarter - Year One

RTTH 344	Radiation Therapy Procedures	2
RTMD 355	Physical Principles of Radiation Therapy I	3
RTMR 285	Principles of Radiography I	3
RTMR 334	Cross-sectional Radiographic Anatomy	2
RTTH 364	Radiation Oncology	2
RTMD 961	Practicum (24hr/week)	1

Winter Quarter - Year One

RTTH 365	Radiation Oncology II	2
RTMD 356	Physical Principles of Radiation Therapy II	3
RTTH 332	Radiation Biology	1
RTMD 962	Practicum (24hr/week)	1

Spring Quarter - Year One

RTMD 301	Treatment Planning I	2
RTMD 307	Principles of Brachytherapy	2
RTSI 369	CT Physics	2
RTTH 366	Radiation Oncology III	2
RTMD 963	Practicum (24hr/week)	1

Summer Quarter - Year One

RTMD 302	Treatment Planning II	2
RTMD 314	Quality Assurance with Lab	2
RTMD 964	Practicum (30 hr/week)	1

Fall Quarter – Year Two

RTMD 305	Special Topics	2
RELF 457	Christian Ethics in Healthcare	2
RTMD 965	Practicum (35hr/week)	1