

Radiation Sciences, BS

Radiation Therapy

The radiation therapy professional program covers theory and techniques in radiation therapy technology through didactic and clinical coursework. Prospective students typically apply to this two-year program during their sophomore year and begin in fall of their junior year.

Upon completion, graduates are eligible to apply for the national certification exam in radiation therapy through the American Registry of Radiologic Technologists (ARRT). Students will have also completed didactic coursework for the national certification exam in CT and MRI but not the clinical component.

Students who will have completed a total of 60 s.h., including prerequisite courses, by June 1 are eligible to apply to this program. The application deadline is Jan. 15.

The radiation therapy program accepts up to ten students each year into one of the two track options, which begin in the fall. Students in both tracks attend didactic classes on campus in Iowa City during their third year and online during their fourth year. See the Radiation Sciences website for more information regarding the radiation therapy track options.

Radiation Therapy, Required Courses

Upon acceptance into the radiation therapy professional program, students will complete the following required courses and internships during their third and fourth years.

Course #	Title	Hours
All of these:		
RSCT:4100	Sectional Anatomy for Imaging Sciences	3
RSCT:4120	Computed Tomography Procedures I	4
RSCT:4130	Computed Tomography Physical Principles and QC	4
RSMR:4110	Fundamentals for the MRI Technologist	3
RSP:2110	Pathology for Radiation Sciences	2
RSP:2120	Patient Care for the Radiation Sciences	3
RSP:3130	Introduction to Radiation Safety and Radiobiology	1
RSP:3210	Medical Ethics and Law	2
RSP:3220	Radiation Sciences Quality Management and Health Care Administration	2
RSP:4110	Research Methodology for Radiation Sciences	3
RSTH:3100	Introduction to Radiation Therapy	2
RSTH:3101	Introduction to Radiation Therapy Lab	1
RSTH:3110	Medical Physics I	2

RSTH:3120	Radiation Therapy Clinical Internship I	3
RSTH:3132	Radiobiology in Radiation Therapy	1
RSTH:3205	Principles of Radiation Therapy I	2
RSTH:3206	Principles of Radiation Therapy I Lab	1
RSTH:3215	Medical Physics II	2
RSTH:3225	Radiation Therapy Clinical Internship II	3
RSTH:3325	Radiation Therapy Clinical Internship III	4
RSTH:4105	Principles of Radiation Therapy II	2
RSTH:4125	Radiation Therapy Clinical Internship IV	4
RSTH:4225	Radiation Therapy Clinical Internship V	5
RSTH:4230	Radiation Therapy Capstone	3

Radiation Therapy, Recommended Pre-Major Work

The following courses are recommended prior to applying to the radiation therapy program.

Course #	Title	Hours
All of these:		
RSP:1100	Introduction to the Radiation Sciences	1
HHP:2110	Human Anatomy Laboratory	1
PSY:1010	Your Brain Unlocked: Learning About Learning	1
STAT:1020	Elementary Statistics and Inference	3
One of these:		
BIOL:1140	Human Biology: Nonmajors	4
HHP:1400	Human Anatomy and Physiology	3
One of these:		
B AIS:1500	Business Technology and Artificial Intelligence	2
CS:1020	Principles of Computing	3