

RADIATION THERAPY / BACHELOR OF SCIENCE 3 + 1 PROGRAM

Total Credit Hours: 130-138

Major Credit Hours: 86-92

A grade of "C-" or better must be earned in a prerequisite course in order to advance to the next course in the sequence.

It is the policy of the Biology department to support with letters of recommendation for professional school applications only those students who have achieved a cumulative and science GPA of 3.0. In the event that a student has their request for letters of recommendation denied, they have the right to petition for reconsideration with the understanding that there is no guarantee that the petition will be successful. Acceptance into any professional or graduate school is solely determined by the admission committee of that school. All faculty members have the right to decline a request to write a letter of recommendation for any student.

Radiation Therapy majors may take a Biology class only two times. If a student has not achieved a minimum grade of "C-" after the second attempt, the student may not repeat the class.

Students are required to shadow, observe an RT, for a day at Northwestern Memorial Hospital or show proof of such activity at another medical facility before applying to the program.

Requirements Degree Requirements

Code	Title	Hours
Core Courses		
BIOL 11000	General Biology 1	4
BIOL 11100	General Biology 1 Lab	1
BIOL 11500	General Biology 2	4
BIOL 11600	General Biology 2 Lab	1
BIOL 22000	Genetics	4
BIOL 22100	Genetics Lab	1
BIOL 22400	General Microbiology	4
BIOL 22600	General Microbiology Lab	1
CHEM 11000	General Chemistry 1	4
CHEM 11100	General Chemistry 1 Lab	1
CHEM 11500	General Chemistry 2	4
CHEM 11600	General Chemistry 2 Lab	1
Select one of the following:		4
MATH 19900	Precalculus	
MATH 20400	Calculus for the Life Sciences	
MATH 20900	Calculus 1	
PHYS 20000	College Physics 1	4
PHYS 20100	College Physics 1 Lab	1
PHYS 20500	College Physics 2	4
PHYS 20600	College Physics 2 Lab	1
Anatomy and Physiology Course Sequence		

Select one of the following options:

8-10

Option 1:	
BIOL 33500	Advanced Clinical Physiology
BIOL 33600	Case Studies in Human Physiology
BIOL 42200	Human Anatomy
BIOL 42300	Functional Human Anatomy Lab
Option 2:	
BIOL 10100	Anatomy and Physiology 1
BIOL 10200	Anatomy and Physiology 1 Lab
BIOL 10300	Anatomy and Physiology 2
BIOL 10400	Anatomy and Physiology 2 Lab
Recommended	
BIOL 35500	Molecular Biochemistry with Clinical Correlates
BIOL 42600	Immunology

Professional Phase

Students must complete the Professional Phase of the program at Northwestern Memorial Hospital.

BIOL 32900	Technical Radiation Oncology 1	2
BIOL 33100	Principles and Practice of Radiation Therapy 1	3
BIOL 33300	Pathology/Sectional Anatomy	2
BIOL 33400	Radiation Therapy Physics 1	2
BIOL 33700	Clinical Practicum 1	3
BIOL 33900	Medical Imaging/Processing	2
BIOL 34000	Management and Methods of Patient Care 1	1-3
BIOL 34200	Radiation Safety and Protection	2-3
BIOL 43100	Principles and Practice of Radiation Therapy II	3
BIOL 43300	Radiation Therapy Physics 2	2
BIOL 43400	Quality Management	2
BIOL 43600	Operational Issues in Health Care Environment	1-2
BIOL 43700	Clinical Practicum II	3
BIOL 44200	Computed Tomography and Cross-Sectional Anatomy	2
BIOL 45200	Radiation Biology	2
BIOL 45700	Technical Radiation Oncology II	2

Total Hours

86-92

Advanced Writing Requirement

The advanced writing requirement of the General Education curriculum is satisfied by successful completion of the curricula at Lewis University and Northwestern Memorial Hospital.