

Radiologic Science Major: Radiation Therapy Emphasis

Starting in MTH 051

(If starting in MTH 051, the FastTrack enhancement program is strongly recommended the summer before Year One Fall)

Year One Fall	
<i>BIO 105 (General biology, GE:05)</i>	4
MTH 051 (Intermediate algebra)	2
GE:01 CST 110 (Communicating effectively)	3
GE:00 FYS 100 (First year seminar)	3
GE:04 (World history)	3
Total Credits	15

Year One Winter	
GE Optional	1
Total Credits	3

Year One Spring	
^ MTH 150 (College algebra, GE:02)	4
^ GE:01 ENG 110 or 112 (College writing)	3
GE:06 Pick one (PSY 100, SOC 110 or 120)	3
GE:09 (Health & well-being)	3
GE:04 (Global studies)	3
Total Credits	16

First Year Summer (Optional)	
^ CHM 103 (General Chemistry I) 5 credits	

Year Two Fall	
^ CHM 104 (General chemistry II)	5
^ MTH 151 (Precalculus, GE:02)	4
^ BIO 312 (Anatomy & physiology I)	4
GE:03 (Minority cultures)	3
GE:08 (Arts)	2
Total Credits	18

Year Two Winter	
GE Optional	1
Total Credits	3

Year Two Spring	
^ BIO 313 (Anatomy & physiology II)	4
PHY 134 (Physics for Nuclear and Radiologic Sciences)	4
STAT 145 (Elementary statistics)	4
GE:07 (Humanistic studies)	3
GE:08 (Arts)	2
Total Credits	17

Second Year Summer (Optional)	
Students can use this summer to finish any remaining Gen Eds or Pre-Professional courses prior to starting program	

* Apply to RT Program (Year Two Fall) *

^ Course has pre-requisite or specific placement score needed to enroll

Important Notes:

- To enroll in BIO 312, students must earn a "C" or better in BIO 105 **AND** CHM 103
- All general education and pre-professional courses must be completed by the time a student starts the RT program
- General education courses do not need to be taken in this exact order; this is just one example.
- It is advised that students create their own semester by semester plan to track completed courses and future course plans.
- Students outside of UWL may elect to take PHY 103 & 104 instead of PHY 134. Students at UWL must take PHY 134 to meet the physics pre-requisite.

Pre-RT Admission Course Requirements

General Education Requirements
GE:00 (First year seminar)
GE:01 (Literacy: CST 110 and ENG 110 or 112)
GE:02 (Mathematical/Logical systems and modern languages)
GE:03 (Minority cultures or multiracial women's studies)
GE:04 (International and multicultural studies)
GE:05 (Science)
GE:06 (Self and society)
GE:07 (Humanistic studies)
GE:08 (Arts)
GE:09 (Health and physical well-being)

Pre-Professional Courses
<i>MTH 151 (Precalculus)</i>
<i>STAT 145 (Elementary statistics)</i>
<i>CHM 103 (General chemistry I)</i>
<i>CHM 104 (General chemistry II)</i>
<i>BIO 105 (General biology)</i>
<i>BIO 312 (Anatomy & physiology I)</i>
<i>BIO 313 (Anatomy & physiology II)</i>
<i>PHY 134 (Physics for Nuclear and Radiologic Sciences)- Offered Spring Semester only</i>
<i>Select One: PSY 100, SOC 110 or SOC 120 (Psychology or sociology)</i>

- Must complete all General Education and Pre-Professional courses with a grade of **“C” or higher**
- Must have an **overall GPA of 2.75** or higher, as well as a **pre-professional GPA of 2.75** or higher
- The number of students admitted to the major is dependent on the number of clinical internship sites and their student capacity.
- Admission to the major is granted on a **competitive basis**. Students are advised to apply for admission to the professional program late in the fall semester of their sophomore year after having taken or registered for the pre-professional requirements. It is, however, also appropriate to apply as a junior.

****Please visit the UWLAX Radiation Therapy webpage for a complete list of admission requirements****

Direct specific advising questions to Chris Helixon or Courtney Pearson in the Pre-Health Advising Center.

Radiation Therapy Professional Program

Year Three Fall (at UWL)		Year Three Spring (at UWL)		Year Three Summer (at Clinical Internship Site)	
BIO 306: Genetics	4	BIO 333: Radiation Biology	3	RT 401: Introduction to Radiation Therapy	3
HP 250: Medical Terminology	1	BIO 432: Biology of Cancer	2	RT 471: Clinical Practicum I	3
PHY 386: Radiation Physics	3	RT 350: Patient Care Issues	3	Total Credits 6	
RT 310: Pathophysiology	3	RT 370: Health Systems and Human Resources in Radiation Therapy	2		
RT 325: Readings, Writings, & Research	3	RT 390: Medical Imaging	3		
RT 330: Professional Issues in Radiation Therapy	2	RT 400: Internship Seminar	1		
Total Credits 16		Total Credits 14			

At Clinical Internship Site

Year Four Fall		Year Four Spring		Year Four Summer	
RT 411: Principles and Practice of Radiation Therapy I	4	RT 412: Principles and Practice of Radiation Therapy II	4	RT 481: Seminar in Radiation Therapy	3
RT 421: Cross Sectional and Radiographic Anatomy	3	RT 435: Dosimetry and Treatment Planning	3	RT 474: Clinical Practicum IV	4
RT 431: Radiation Therapy Physics	3	RT 437: Quality Management in Radiation Therapy	2	Total Credits 7	
RT 472: Clinical Practicum II	6	RT 473: Clinical Practicum III	6		
Total Credits 16		Total Credits 15			