

# Radiologic Science Major: Radiation Therapy Emphasis

**Starting in MTH 150**

Year One Fall	
<i>BIO 105 (General biology, GE:05)</i>	4
<i>^ MTH 150 (College algebra)</i>	4
<i>^ GE:01 ENG 110 or 112 (College writing)</i>	3
<i>GE:04 (World history)</i>	3
<b>Total credits</b>	<b>14</b>

Year One Winter	
Gen Ed Optional	
<b>Total Credits</b>	<b>3</b>

Year One Spring	
<i>^ CHM 103 (General chemistry I)</i>	5
<i>^ MTH 151 (Precalculus)</i>	4
<i>GE:01 CST 110 (Communicating effectively)</i>	3
<i>GE:00 FYS 100 (First year seminar)</i>	3
<i>GE:08 (Arts)</i>	2-3
<b>Total credits</b>	<b>17-18</b>

First Year Summer (Optional)	
<i>^ CHM 104 (General Chemistry II) 5 credits or STAT 145 (Elementary Statistics) 4 credits</i>	

*Year Two Fall*	
<i>^ BIO 312 (Anatomy &amp; physiology I)</i>	4
<i>STAT 145 OR ^ CHM 104- both are required</i>	4-5
<i>GE:06 Pick one (PSY 100, SOC 110 or 120)</i>	3
<i>GE:03 (Minority cultures)</i>	3
<i>GE:04 (Global studies)</i>	3
<b>Total credits</b>	<b>17-18</b>

Year Two Winter	
Gen Ed Optional	
<b>Total Credits</b>	<b>3</b>

Year Two Spring	
<i>^ BIO 313 (Anatomy &amp; physiology II)</i>	4
<i>PHY 134 (Physics for Nuclear and Radiologic Sciences)</i>	4
<i>GE:07 (Humanistic studies)</i>	3
<i>GE:09 (Health &amp; physical well-being)</i>	3
<i>GE:08 (Arts)</i>	2-3
<b>Total credits</b>	<b>16-17</b>

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

\* 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
- Winter and Summer terms are optional, but students can use them to spread out credit load or complete requirements for admission
- 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
<b>GE:00</b> (First year seminar)
<b>GE:01</b> (Literacy: CST 110 & ENG 110 or 112)
<b>GE:02</b> (Mathematical/Logical systems and modern languages)
<b>GE:03</b> (Minority cultures or multiracial women's studies)
<b>GE:04</b> (International and multicultural studies)
<b>GE:05</b> (Science)
<b>GE:06</b> (Self and society)
<b>GE:07</b> (Humanistic studies)
<b>GE:08</b> (Arts)
<b>GE:09</b> (Health and physical well-being)

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

- 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	<b>Total Credits</b>	<b>6</b>
RT 310: Pathophysiology	3	RT 380: Clinical Concepts in Oncology	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		
		<b>Total Credits</b>	<b>14</b>		
<b>Total Credits</b>	<b>16</b>				

### 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	<b>Total Credits</b>	<b>7</b>
RT 472: Clinical Practicum II	6	RT 473: Clinical Practicum III	6		
<b>Total Credits</b>	<b>16</b>	<b>Total Credits</b>	<b>15</b>		