# Radiologic Science Major: Radiation Therapy Emphasis

**Starting in MTH 151**

## Year One

### Fall
- **CHM 103** (General chemistry I, GE:05) 5 credits
- **MTH 151** (Precalculus) 4 credits
- GE:01 CST 110 (Communicating effectively) 3 credits
- GE:04 (World history) 3 credits

**Total Credits**: 15

### Winter
- Gen Ed Optional
- **BIO 105** (General biology) 4 credits
- **CHM 104** (General chemistry II) 5 credits
- GE:01 ENG 110 or 112 (College writing) 3 credits
- GE:00 FYS 100 (First year seminar) 3 credits
- GE:08 (Arts) 2 or 3 credits

**Total Credits**: 17-18

### Summer (Optional)
- Students can use this summer to spread out courses and take a Gen Ed or Pre-Professional course, but not required

## Year Two

### Fall
- **BIO 312** (Anatomy & physiology I) 4 credits
- **STAT 145** (Elementary statistics) 4 credits
- GE:06 Pick one (PSY 100, SOC 110 or 120) 3 credits
- GE:03 (Minority cultures) 3 credits
- GE:04 (Global studies) 3 credits

**Total Credits**: 17

### Winter
- Gen Ed Optional
- **BIO 313** (Anatomy & physiology II) 4 credits
- PHY 134 (Physics for Nuclear and Radiologic Sciences) 4 credits
- GE:07 (Humanistic studies) 3 credits
- GE:09 (Health & well-being) 3 credits
- GE:08 (Arts) 2 or 3 credits

**Total Credits**: 16-17

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

## Important Notes:

* **Apply to RT Program (Year Two Fall)** *
* ^Course has pre-requisite or specific placement score needed to enroll*

- 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 courses completed 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

<table>
<thead>
<tr>
<th>General Education Requirements</th>
<th>Pre-Professional Courses</th>
</tr>
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<tbody>
<tr>
<td><strong>GE:00</strong> (First year seminar)</td>
<td><strong>MTH 151 (Precalculus)</strong></td>
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<tr>
<td><strong>GE:01</strong> (Literacy: CST 110 and ENG 110 or 112)</td>
<td><strong>STAT 145 (Elementary statistics)</strong></td>
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<tr>
<td><strong>GE:02</strong> (Mathematical/Logical systems and modern languages)</td>
<td><strong>CHM 103 (General chemistry I)</strong></td>
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<tr>
<td><strong>GE:03</strong> (Minority cultures or multiracial women's studies)</td>
<td><strong>CHM 104 (General chemistry II)</strong></td>
</tr>
<tr>
<td><strong>GE:04</strong> (International and multicultural studies)</td>
<td><strong>BIO 105 (General biology)</strong></td>
</tr>
<tr>
<td><strong>GE:05</strong> (Science)</td>
<td><strong>BIO 312 (Anatomy &amp; physiology I)</strong></td>
</tr>
<tr>
<td><strong>GE:06</strong> (Self and society)</td>
<td><strong>BIO 313 (Anatomy &amp; physiology II)</strong></td>
</tr>
<tr>
<td><strong>GE:07</strong> (Humanistic studies)</td>
<td><strong>PHY 134 (Physics for Nuclear and Radiologic Sciences)- Offered Spring Semester only</strong></td>
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<tr>
<td><strong>GE:08</strong> (Arts)</td>
<td><em>Select One: PSY 100, SOC 110 or SOC 120 (Psychology or sociology)</em></td>
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<tr>
<td><strong>GE:09</strong> (Health and physical well-being)</td>
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- 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
### 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 | | Total Credits 14
RT 325: Readings, Writings, & Research | 3 | RT 390: Medical Imaging | 3 | | Total Credits 16
RT 330: Professional Issues in Radiation Therapy | 2 | RT 400: Internship Seminar | 1 | | 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 15

**Total Credits** 16

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