# Radiologic Science Major: Radiation Therapy Emphasis

**Starting in MTH 150**

<table>
<thead>
<tr>
<th>Year One Fall</th>
<th>Year One Winter</th>
<th>Year One Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BIO 105 (General biology, GE:05)</strong></td>
<td>Gen Ed Optional</td>
<td>^CHM 103 (General chemistry I)</td>
</tr>
<tr>
<td>^MTH 150 (College algebra)</td>
<td></td>
<td>^MTH 151 (Pre calculus)</td>
</tr>
<tr>
<td>^GE:01 ENG 110 or 112 (College writing)</td>
<td></td>
<td>GE:01 CST 110 (Communicating effectively)</td>
</tr>
<tr>
<td>GE:04 (World history)</td>
<td></td>
<td>GE:00 FYS 100 (First year seminar)</td>
</tr>
<tr>
<td>total credits: 14</td>
<td></td>
<td>GE:08 (Arts)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year One Summer (Optional)</th>
<th></th>
<th>Total credits: 17-18</th>
</tr>
</thead>
<tbody>
<tr>
<td>^CHM 104 (General Chemistry II)</td>
<td>5 credits or STAT 145 (Elementary Statistics)</td>
<td>4 credits</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><em>Year Two Fall</em></th>
<th>Year Two Winter</th>
<th>Year Two Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>^BIO 312 (Anatomy &amp; physiology I)</td>
<td>Gen Ed Optional</td>
<td>^BIO 313 (Anatomy &amp; physiology II)</td>
</tr>
<tr>
<td>STAT 145 OR ^CHM 104</td>
<td></td>
<td>PHY 134 (General Physics)</td>
</tr>
<tr>
<td>GE:06 Pick one (PSY 100, SOC 110 or 120)</td>
<td>4-5</td>
<td>GE:07 (Humanistic studies)</td>
</tr>
<tr>
<td>GE:03 (Minority cultures)</td>
<td>3</td>
<td>GE:09 (Health &amp; physical well-being)</td>
</tr>
<tr>
<td>GE:04 (Global studies)</td>
<td>3</td>
<td>GE:08 (Arts)</td>
</tr>
<tr>
<td>total credits: 17-18</td>
<td></td>
<td>Total credits: 16-17</td>
</tr>
</tbody>
</table>

**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.
**Pre-RT Admission Course Requirements**

<table>
<thead>
<tr>
<th>General Education Requirements</th>
<th>Pre-Professional Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>GE:00 (First year seminar)</td>
<td>MTH 151 (Precalculus)</td>
</tr>
<tr>
<td>GE:01 (Literacy: CST 110 &amp; ENG 110 or 112)</td>
<td>STAT 145 (Elementary statistics)</td>
</tr>
<tr>
<td>GE:02 (Mathematical/Logical systems and modern languages)</td>
<td>CHM 103 (General chemistry I)</td>
</tr>
<tr>
<td>GE:03 (Minority cultures or multiracial women's studies)</td>
<td>CHM 104 (General chemistry II)</td>
</tr>
<tr>
<td>GE:04 (International and multicultural studies)</td>
<td>BIO 105 (General biology)</td>
</tr>
<tr>
<td>GE:05 (Science)</td>
<td>BIO 312 (Anatomy &amp; physiology I)</td>
</tr>
<tr>
<td>GE:06 (Self and society)</td>
<td>BIO 313 (Anatomy &amp; physiology II)</td>
</tr>
<tr>
<td>GE:07 (Humanistic studies)</td>
<td>PHY 134 (General Physics)- Offered Spring Semester only</td>
</tr>
<tr>
<td>GE:08 (Arts)</td>
<td>Select One: PSY 100, SOC 110 or SOC 120 (Psychology or sociology)</td>
</tr>
<tr>
<td>GE:09 (Health and physical well-being)</td>
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</table>

- 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 Beck Hawkins: bhawkins@uwlax.edu

Revised 03/03/2023
Radiation Therapy Professional Program

<table>
<thead>
<tr>
<th>Year Three Fall (at UWL)</th>
<th>Year Three Spring (at UWL)</th>
<th>Year Three Summer (at Clinical Internship Site)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 306: Genetics</td>
<td>4</td>
<td>BIO 333: Radiation Biology</td>
</tr>
<tr>
<td>HP 250: Medical Terminology</td>
<td>1</td>
<td>BIO 432: Biology of Cancer</td>
</tr>
<tr>
<td>PHY 386: Radiation Physics</td>
<td>3</td>
<td>RT 350: Patient Care Issues</td>
</tr>
<tr>
<td>RT 310: Pathophysiology</td>
<td>3</td>
<td>RT 370: Health Systems and Human Resources in Radiation Therapy</td>
</tr>
<tr>
<td>RT 325: Readings, Writings, &amp; Research</td>
<td>3</td>
<td>RT 390: Medical Imaging</td>
</tr>
<tr>
<td>RT 330: Professional Issues in Radiation Therapy</td>
<td>2</td>
<td>RT 400: Internship Seminar</td>
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<tr>
<td></td>
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<td><strong>Total Credits</strong> 6</td>
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<td></td>
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<td><strong>Total Credits</strong> 14</td>
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At Clinical Internship Site

<table>
<thead>
<tr>
<th>Year Four Fall</th>
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<th>Year Four Summer</th>
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<tbody>
<tr>
<td>RT 411: Principles and Practice of Radiation Therapy I</td>
<td>4</td>
<td>RT 412: Principles and Practice of Radiation Therapy II</td>
</tr>
<tr>
<td>RT 411: Principles and Practice of Radiation Therapy I</td>
<td>4</td>
<td>RT 412: Principles and Practice of Radiation Therapy II</td>
</tr>
<tr>
<td>RT 421: Cross Sectional and Radiographic Anatomy</td>
<td>3</td>
<td>RT 435: Dosimetry and Treatment Planning</td>
</tr>
<tr>
<td>RT 431: Radiation Therapy Physics</td>
<td>3</td>
<td>RT 437: Quality Management in Radiation Therapy</td>
</tr>
<tr>
<td>RT 472: Clinical Practicum II</td>
<td>6</td>
<td>RT 473: Clinical Practicum III</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Total Credits</strong> 7</td>
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<td>RT 473: Clinical Practicum III</td>
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<td><strong>Total Credits</strong> 16</td>
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**Total Credits** 16 **Total Credits** 15