

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 | 0 |
| 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 | 0 |
| 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 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 | | |
| | | Total Credits | 14 | | |
| Total Credits | 16 | | | | |

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 | | |