RADIATION THERAPY TECHNOLOGY (B.S.)

The Bachelor of Science in Radiation Therapy Technology is a four-year degree program consisting of two years of pre-professional courses and two years of professional courses. The program is accredited by the:

Joint Review Committee on Education in Radiologic Technology (http://www.jrcert.org)
20 N. Wacker Drive, Suite 2850
Chicago IL 60606-3182
312-704-5300.

The program complies with the professional curriculum of the American Society of Radiologic Technologists. Fax: 312-704-5304. Upon completion of the program, the student receives a Bachelor of Science Degree in Radiation Therapy Technology and is eligible to take the national certification examination administered by the American Registry of Radiologic Technologists.

Admission to Pre-professional Program

The first two years (pre-professional program) are taken in the College of Liberal Arts and Sciences, the admission requirements of which are satisfied by general admission (http://bulletins.wayne.edu/undergraduate/general-information/admission) to the University. Application forms are available from the Office of Admissions, University Welcome Center. Students should consult with the University Advising Center, 1600 Adamany Library, regarding course selection. Students are urged to seek additional pre-professional advisement by contacting the office of Student Affairs in the Eugene Applebaum College of Pharmacy and Health Sciences, for registration in a Monthly College Information Night.

Recommended High School Preparation: Students interested in a career in radiation therapy technology should take as many of the following high school courses as possible: biology, chemistry, mathematics, physics, computer science, keyboarding, speech, and composition.

Admission to Professional Program

Admission to the professional program requires completion of the above pre-professional course requirements and satisfaction of specific admission requirements listed below. The application deadline is on or about April 1 for matriculation into the professional program for the subsequent fall term.

Students should contact the University Advising Center (313-577-2680) prior to each fall term to obtain an updated list of pre-professional course and program admission requirements. The program faculty provides career advisement at the Eugene Applebaum College of Pharmacy and Health Sciences’ Monthly College Information Meeting held on the first Tuesday of each month. Attendance to at least one monthly meeting is a mandatory admission requirement prior to the beginning of the application process. Out-of-state applicants should contact a member of the Radiation Therapy Technology faculty for options to accommodate individual circumstances.

Since applicants who are admitted will eventually be working as a member of a health care team, the admissions committee evaluates candidates based on their personal qualities as well as their academic achievement. Therefore, throughout the interview and the completion of other application requirements, such criteria as a student’s maturity, motivation, knowledge of the profession, interpersonal skills, personal integrity, and empathy for others is evaluated.

Professional Program Admission Requirements

The student applying to the professional program must meet the following admission requirements:

1. Completion of all pre-professional courses (or their equivalents) by the fall term in which admittance is desired.
2. Hold a combined cumulative grade point average of 2.50 or above (A = 4.00) for all college-level work at all institutions attended.
3. Completion of a professional program application (http://www.cphs.wayne.edu) and two reference forms.
4. Submission of official transcripts from all college institutions attended (other than Wayne State).
5. Attendance at a Monthly College Information Night (http://cphs.wayne.edu/admissions/before-you-apply.php) at the Eugene Applebaum College of Pharmacy and Health Sciences, held the first Tuesday of each month at 6:00pm. Out-of-state applicants should contact a Radiation Therapy Technology faculty member for options to accommodate individual circumstances.
6. Completion of two clinical visits to affiliate institutions for the program. Call 313-577-5711 to make an appointment. Out-of-state applicants should contact a Radiation Therapy Technology faculty member for options to accommodate individual circumstances.
7. Submission of two reference forms (available on the online application site): one from an employer/supervisor and one from a college professor/advisor.
8. Satisfaction of the University Mathematics proficiency and competency in English requirements (documentation is required).

The information requested in requirements 3, 4, 7, and 8, above, should be submitted to the Eugene Applebaum College of Pharmacy and Health Sciences, Office of Student Affairs, 259 Mack, Suite 1600, Detroit, Michigan.

Application Deadline: The deadline for applications is on or about April 1. Applications which are incomplete by the deadline are not submitted after that date will be considered only with the approval of the Program Director. Prospective students are urged to submit applications as early as possible after the fall term.

Application Review: All applications will be reviewed for completeness. The Admissions Committee will review all qualified applicants with completed applications submitted by the deadline date. The Admissions Committee will notify applicants of their interview status. Admission interviews are typically conducted in May of each year. A number of criteria will be evaluated, including academic achievement and personal qualities. The Radiation Therapy Technology Program typically notifies each applicant of the final admission decision in June.

Pre-professional Program

Each of the following required pre-professional courses (or its equivalent) must be completed with a minimum grade of C (2.00 g.p.a., where A = 4.0)

First and Second Years

BIO 1500 Basic Life Diversity
Radiation Therapy Technology (B.S.)

BIO 1510 (LS) Basic Life Mechanisms 4
BIO 2870 Anatomy and Physiology 5
CHM 1020 (PS) Survey of General Chemistry 4
COM 1010 (OC) Introductory College Writing 3
ENG 3010 (IC) Intermediate Writing 3
MAT 1800 Elementary Functions 4
PHY 2130 (PS) Physics for the Life Sciences I 4
PHY 2131 Physics for the Life Sciences Laboratory 1
PHY 2140 (PS) Physics for the Life Sciences II 4
PHY 2141 Physics for the Life Sciences Laboratory 1
PSY 1010 (LS) Introductory Psychology 4
PSY 2300 Psychology of Everyday Living 4

University Requirements
American Society and Institutions (AI) Elective 3
Critical Thinking (CT) by Competency Exam or course 3
Foreign Culture (FC) Elective by Competency Exam or course 3
Historical Studies (HS) Elective 3
Humanities (VP, PL) Electives 6

Total Credits 66

Professional Program

Degree Requirements
Candidates for the degree Bachelor of Science in Radiation Therapy Technology must complete a minimum of 125 credits, plus sufficient credits to fulfill the University General Education Requirements (http://bulletins.wayne.edu/undergraduate/general-information/general-education) not satisfied by either required courses or the student's choice of electives. The total course work will be distributed between two years of pre-professional courses and the two-year professional program as outlined below. Courses in the professional program are taken in the Eugene Applebaum College of Pharmacy and Health Sciences. Enrollment requires full-time student status for six consecutive terms (twenty-four months), during which time students take didactic and clinical courses. The clinical program includes approximately twenty hours per week of clinical education at multiple affiliate institutions in the greater metropolitan Detroit area. Such institutions include urban and suburban hospitals.

While most required courses are scheduled during usual daytime hours, students are required to attend some courses or individual class sessions in early evening.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>RT 3000</td>
<td>Concepts of Clinical Care</td>
<td>3</td>
</tr>
<tr>
<td>RT 3010</td>
<td>Introductory Radiation Physics</td>
<td>3</td>
</tr>
<tr>
<td>RT 3020</td>
<td>Clinical Radiation Physics</td>
<td>3</td>
</tr>
<tr>
<td>RT 3110</td>
<td>Clinical Aspects of Radiation Therapy</td>
<td>3</td>
</tr>
<tr>
<td>RT 3140</td>
<td>Topographic Anatomy and Medical Imaging</td>
<td>3</td>
</tr>
<tr>
<td>RT 3200</td>
<td>Therapeutic Interactions in Oncology Care</td>
<td>2</td>
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<tr>
<td>RT 3310</td>
<td>Clinical Practicum I</td>
<td>3</td>
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<td>RT 3320</td>
<td>Clinical Practicum II</td>
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<td>RT 3330</td>
<td>Clinical Practicum III</td>
<td>4</td>
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<tr>
<td>RT 5650</td>
<td>Pathophysiology for Health Sciences</td>
<td>3</td>
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<td>Elective 1</td>
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Fourth Year
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<tr>
<td>RT 4110</td>
<td>Clinical Radiation Oncology</td>
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<tr>
<td>RT 4120</td>
<td>Basic Clinical Dosimetry</td>
<td>4</td>
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<tr>
<td>RT 4140</td>
<td>Oncologic Pathology</td>
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<td>RT 4150</td>
<td>Radiobiology of Radiation Oncology</td>
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<tr>
<td>RT 4220</td>
<td>Radionuclide Physics</td>
<td>3</td>
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<td>RT 4240</td>
<td>Radiation Therapy Technology Seminar</td>
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<td>RT 4300</td>
<td>Quality Assurance</td>
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<td>RT 4350</td>
<td>Clinical Practicum IV</td>
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<td>RT 4360</td>
<td>(WI) Clinical Practicum V</td>
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<td>RT 4370</td>
<td>Clinical Practicum VI</td>
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<tr>
<td>RT 5990</td>
<td>Directed Study in Radiation Therapy Technology (Max 5)</td>
<td>1-5</td>
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1 Students are encouraged to take a course in the areas of management, education, humanities or social studies. The course selected may be used to fulfill the social science requirement of the General Education Requirements.
**Scholarship**

Students in the professional program are subject to high academic and professional standards. A grade of 'C' (2.00) or above is required in each professional course, and the student must maintain a term grade point average of 2.50 throughout the program. A grade of 'C-minus' (1.67) in a professional course indicates unsatisfactory performance; repetition of the course is required, and review by the Academic Committee will occur. A second grade of 'C-minus' or below, or a single grade of 'D' or less (1.00 or less) will result in immediate dismissal from the professional program. Academic standards and program probation policies are subject to change. Academic standards and policies are published annually; copies are available upon request from the Radiation Therapy Technology Program.

**Liability Insurance**

Each student is required to have professional liability insurance during the entire length of the professional program. Neither the clinical affiliates, nor Wayne State University, assume liability for student actions during clinical education.