The School of Health and Rehabilitation Sciences

Radiation Therapy
Radiological Science and Therapy

The School of Health and Rehabilitation Sciences (SHRS) is a School in The Ohio State University College of Medicine. The School is nationally recognized as a leader in practice-based health care education. For more than five decades, the School has prepared students to achieve personal and professional excellence, as they pursue an exciting career in healthcare.

PROGRAM OVERVIEW

Radiation therapy involves treating disease with penetrating beams of high-energy radiation, primarily in the treatment of cancer. Therapists are responsible for accurately planning, recording, interpreting and administering the treatment prescribed by radiation oncologists. During simulation, therapists use CT scans to help physicians in localizing and outlining anatomical areas requiring treatment. Therapists utilize linear accelerators to deliver a prescribed dose of radiation to the tumor volume during treatment. Upon graduation, students are eligible to sit for the national certification exam.

ADMISSION & APPLICATION PROCEDURES

Applicants must meet the following minimum requirements and submit requested materials to be considered for admission. The application deadline for autumn 2015 is January 31st, 2015. The professional program will begin August 26th, 2015.

1. An electronic application is available online at http://www.professional.osu.edu/hrs.asp which must be completed and submitted with all required supplemental documents.

2. A minimum 2.50 cumulative GPA is required in all coursework taken at all accredited institutions. Post-secondary coursework is considered. Although a 2.5 GPA is the minimum, the average GPA is higher.

3. Completion of prerequisite courses or their equivalents with a C- or higher by the end of spring semester, 2015.

4. Eight hours of documented direct patient contact in a Department of Radiation Oncology. Observation documentation forms and instructions are online in the Future Students tab under Admission Criteria. www.medicine.osu.edu/hrd/rd

5. A personal interview will be offered to competitive applicants. Knowledge of the profession and personal career goals will be evaluated at this time.

DEGREE REQUIREMENTS

The minimum total hours to graduate from The Ohio State University is 120 semester hours. The radiation therapy program requires a minimum of 140 hours barring special circumstances. This includes all general graduation requirements, general education curriculum, program prerequisites, and professional curriculum. Remedial, conditional and repeated coursework do not count towards the minimum hours.

GENERAL EDUCATION (47-57 SEMESTER HOURS)

SHRS students must complete all General Education (GE) before graduating from the University. Some of these requirements overlap with program prerequisites or professional curriculum courses. The required course work is listed below:

<table>
<thead>
<tr>
<th>Writing (6 hours)</th>
<th>Math (4-5 hours)</th>
<th>Art (3 hours)</th>
<th>Historical Study or Culture &amp; Ideas (3 hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Analysis (3 hours)</td>
<td>Literature (3 hours)</td>
<td>Science (10 hours)</td>
<td>Social Diversity in the US (0-3 hours)</td>
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<tr>
<td>Social Science (6 hours)</td>
<td>Global Studies (0-6 hours)</td>
<td>Historical Study (3 hours)</td>
<td>Open Options (6 hours)</td>
</tr>
</tbody>
</table>

PROGRAM PREREQUISITES (17 SEMESTER HOURS NOT INCLUDING COURSES COUNTED AS GE HOURS)

Students who wish to apply to the Radiation Therapy program must have completed all of the following program prerequisite courses or their equivalent with a C- or higher by the end of spring semester, 2015.

<table>
<thead>
<tr>
<th>Math 1150</th>
<th>Chemistry 1110</th>
<th>Biology 1101 or 1113</th>
<th>Physics 1200</th>
<th>Physics 1201</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy 2300.04</td>
<td>EEOB 2520</td>
<td>Statistics 1350</td>
<td>Psychology 1100</td>
<td>Sociology 1101</td>
</tr>
<tr>
<td>English 1110</td>
<td>Second Writing Course</td>
<td>HTHRHS 2500</td>
<td>HTHRHS 5370</td>
<td>HTHRHS 5500</td>
</tr>
</tbody>
</table>
PROFESSIONAL CURRICULUM (78 SEMESTER HOURS)

The professional curriculum is completed in sequence and there is no provision for part-time or evening enrollment. Some course overlap with the General Education (GE) curriculum. The curriculum includes all knowledge and practical skills required for professional credentialing.

SUGGESTED SCHEDULING PLAN

The following plan demonstrates how students may complete the radiation therapy program in nine semesters. There is flexibility in when a student may take courses in year one and two. However, in year three and four, the curriculum is more structured with only limited ability to change. It is assumed that students following this plan will begin professional coursework autumn semester of year three.

THE COURSE OFFERINGS ARE A TENTATIVE PLAN AND SUBJECT TO CHANGE.

<table>
<thead>
<tr>
<th>YEAR 1</th>
<th>YEAR 2</th>
<th>YEAR 3</th>
<th>YEAR 4</th>
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<tbody>
<tr>
<td><strong>Autumn</strong>&lt;br&gt;HHTHRHSC 1100 (1)&lt;br&gt;Math 1150 (5)&lt;br&gt;Psychology 1100 (3)&lt;br&gt;Biology 1101 or 1113 (4)&lt;br&gt;GE (3)</td>
<td><strong>Autumn</strong>&lt;br&gt;EEOB 2520 (3)<em>&lt;br&gt;Rad Sci 3200 (2)</em>&lt;br&gt;Second Writing Course (3)&lt;br&gt;Physics 1201 (5)&lt;br&gt;GE (3)</td>
<td><strong>Autumn-BEGIN PROFESSIONAL COURSEWORK</strong>&lt;br&gt;RadSci 3289-Rad Therapy Practicum I (4)&lt;br&gt;RadSci 3573-Applied Rad Onc I (3)&lt;br&gt;RadSci 3414-RT Equip &amp; Instrumentation I (4)&lt;br&gt;HHTHRHSC 5900 (3)&lt;br&gt;Rad Sci 3310 – Intro to Rad Sci (3)&lt;br&gt;RadSci 3200 (transfer students) (2)</td>
<td><strong>Autumn</strong>&lt;br&gt;RadSci 4489 – Rad Therapy Practicum IV (6)&lt;br&gt;RadSci 4482-Radiation Therapy Physics II (3)&lt;br&gt;RadSci 4485-Treatment Planning (2)&lt;br&gt;RadSci 4670- Radiation Biology/Protection (2)&lt;br&gt;GE (3)</td>
</tr>
<tr>
<td><strong>Spring</strong>&lt;br&gt;Physics 1200 (5)&lt;br&gt;English 1110 (3)&lt;br&gt;Anatomy 2300.04 (4)&lt;br&gt;Statistics 3350 (3)&lt;br&gt;HHTHRHSC 2500 (3)</td>
<td><strong>Spring</strong>&lt;br&gt;Chem 1110 (5)&lt;br&gt;HHTHRHSC 5370** (3)&lt;br&gt;HHTHRHSC 5500 (4)&lt;br&gt;Sociology 1101 (3)&lt;br&gt;GE (3)</td>
<td><strong>Spring</strong>&lt;br&gt;RadSci 3389-Rad Therapy Practicum II (5)&lt;br&gt;RadSci 3471-Radiologic Physics (3)&lt;br&gt;RadSci 3574-Applied Rad Onc 2 (3)&lt;br&gt;RadSci 3483-Dosimetry (3)&lt;br&gt;Rad Sci 3672- Rad Sectional Anatomy (3)</td>
<td><strong>Spring</strong>&lt;br&gt;RadSci 4589 – Rad Therapy Practicum V (8)&lt;br&gt;RadSci 4618-Administrative Radiology (2)&lt;br&gt;RadSci 4630- Transitions to Cl. Practice 1 (2)&lt;br&gt;RadSci 5389 – Admin &amp; QM in the Rad Sci (2)</td>
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<td>Total (16)</td>
<td>Total (16)</td>
<td>Total (17-19)</td>
<td>Total (16)</td>
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<td><strong>Summer</strong></td>
<td><strong>May and Summer</strong>&lt;br&gt;RadSci 4530-Quality Mgmt in Rad Sci (3)&lt;br&gt;RadSci 4389- Rad Therapy Practicum III (6)&lt;br&gt;RadSci 4478-Radiation Therapy Physics I (3)</td>
<td><strong>Summer</strong>&lt;br&gt;RadSci 4530-Quality Mgmt in Rad Sci (3)&lt;br&gt;RadSci 4389- Rad Therapy Practicum III (6)&lt;br&gt;RadSci 4478-Radiation Therapy Physics I (3)</td>
<td><strong>Summer</strong>&lt;br&gt;RadSci 4530-Quality Mgmt in Rad Sci (3)&lt;br&gt;RadSci 4389- Rad Therapy Practicum III (6)&lt;br&gt;RadSci 4478-Radiation Therapy Physics I (3)</td>
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<tr>
<td>HHTHRHSC 5610 is a highly recommended elective for the Radiologic Sciences and Therapy Program.</td>
<td>*Rad Sci 3200 is only open to students in SHRS majors; non-SHRS majors will require permission of instructor for registration. There is not an alternate course.</td>
<td>**HTHRHSC 5370 is only open to students in SHRS majors; non-SHRS majors will require permission of instructor for registration. PUBHHMP 4650 is an alternate course.</td>
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<td>Total (18)</td>
<td>Total (18)</td>
<td>Total (17)</td>
<td>Total (14)</td>
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ADDITIONAL INFORMATION

It is strongly recommended that prospective students schedule an appointment with their pre-HRS advisor. If you are not a pre-HRS student, you must complete an online major information session prior to meeting with a pre-HRS advisor. Further information can be accessed online under the future students tab. Prospective students such as baccalaureate degree-holders, transfer, international, or those that have time commitment issues such as student athletes and band members are strongly encouraged to meet with a pre-HRS advisor to discuss special circumstances which may apply.

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