

PROGRAM OVERVIEW

Radiation therapy involves treating disease with penetrating beams of high-energy radiation, primarily in treating cancer. During simulation, therapists use CT scans to help physicians localize and outline anatomical areas requiring treatment. Therapists utilize linear accelerators to deliver a prescribed radiation dose to the planned tumor volume during treatment. Graduates can apply for the national certification examination in radiation therapy from the [American Registry of Radiologic Technologists](#).

APPLICATION REQUIREMENTS

GPA of 2.50 or higher

A minimum 2.50 cumulative GPA is required in all coursework taken at any accredited institution.

Prerequisite Courses

All prerequisite courses or equivalents must be completed with a **C- or higher by the end of the spring semester**.

Online Application

[The application is available online](#) and must be completed and submitted with all required supplemental documents, if applicable. Application FAQ can be found [here](#).

Observation Hours

Please review the full observation hour requirement [here](#).

A personal interview will be offered to competitive applicants. Knowledge of the profession and personal career goals will be evaluated then. The program will give individual consideration in the admission assessment to courses taken and applicant experiences.

APPLICATION DEADLINE

The Radiologic Sciences and Therapy program admits students once per year, with students beginning the program in the Autumn semester. The application deadline for Autumn 2024 is January 31, 2024. The professional program will begin on August 20, 2024.

DEGREE REQUIREMENTS

The minimum hours to graduate from The Ohio State University with a Bachelor of Science in Health and Rehabilitation Sciences is 120 credit hours. The Radiation Therapy program requires 137 credit hours, not including HTHRHSC 1100. Students should reference their [degree audit](#) to ensure they are completing all required components of the degree, including general education, program prerequisites, and professional curriculum.

PREREQUISITE COURSES

These courses must be completed before beginning professional coursework. Ohio State course numbers are shown below.

Math 1148 & 1149, or 1150

Chemistry 1110 or 1210

Biology 1113

Physics 1200

Physics 1201

Anatomy 2300, 3300, or EEOB 2510

EEOB 2520, or PHYSIO 3200

Psychology 1100

English 1110

HTHRHSC 2500

HTHRHSC 5500

HTHRHSC 5370, or PUBHHMP 3610



YEAR 1

Autumn	Credits	Spring	Credits	Notes
HTHRHSC 1100	1	English 1110.01	3	HTHRHSC 5610 is a highly recommended Radiologic Sciences and Therapy Program elective.
MATH 1150	5	Biology 1113	4	
Chemistry 1110 or 1210	5	Anatomy 2300	4	
PSYCH 1100	3	HTHRHSC 2500	3	
GENED 1201	1	GE Foundation	3	
Total	15	Total	17	

YEAR 2

Autumn	Credits	Spring	Credits	Notes
PHYSICS 1200	5	PHYSICS 1201	5	An accredited CPR Course is required before beginning the professional program.
EEOB 2520	3	HTHRSHC 5500	4	
GE Theme*	4	HTHRHSC 5370	3	
GE Foundation	3	GE Theme*	4	
Total	15	Total	16	

Begin Professional Coursework

YEAR 3

Autumn	Credits	Spring	Credits	Summer	Credits
RadSci 3289 Radiation Therapy 1	4	RadSci 3389 Radiation Therapy 2	5	RadSci 4485 Treatment Plans	2
RadSci 3573 Oncology 1	3	RadSci 3471 Radiologic Physics	3	RadSci 4389 Rad Therapy 3	6
RadSci 3414 RT Equipment	4	RadSci 3574 Oncology 2	3	RadSci 4478 RT Physics 1	3
RadSci 3310 Intro to Rad Sci	3	RadSci 3483 Dosimetry	3	GE Foundation	3
HTHRHSC 4200 Health Sciences Research	3	RadSci 3672 Sectional Anatomy	3	Total	14
Total	17	Total	17		

YEAR 4

Autumn	Credits	Spring	Credits
RadSci 4489 Radiation Therapy 4	6	RadSci 4589 Radiation Therapy 5	8
RadSci 4482 RT Physics 2	3	RadSci 4618 Radiation Oncology	2
RadSci 4530 Quality Management	3	RadSci 4630 Transition to Clinical	2
RadSci 4670 Radiation Protection	2	HTHRSHC 4001 Reflection Seminar	1
Total	14	Total	13

*Students will take thematic courses in the *Citizenship for a Diverse and Just World* Theme (4-6 hours) and in one additional Theme of their choosing (4-6 hours).

The above plan demonstrates how students may complete the Radiation Therapy program in nine (9) semesters, including one (1) summer term. It is assumed that admitted students following this plan will begin professional coursework in the autumn semester of year three (3). There is flexibility in a student taking courses in years one (1) and two (2). However, in years three (3) and four (4), the curriculum is more structured with limited ability to change. Students may choose to take non-professional courses over summer terms.

It is highly recommended that students take all GE courses before starting the professional program. The professional curriculum is completed in sequence, and there is no provision for part-time or evening-only enrollment. Students who intend to transfer credit to Ohio State may view how credit is accepted on [Transferology.com](#).

Ohio State academic programs are designed to prepare students to sit for applicable licensure or certification in Ohio. If you plan to pursue licensure or certification in a state other than Ohio, please review state educational requirements for licensure and certification and state licensing board contact information [here](#) for online programs and [here](#) for on-campus programs.

Questions? Contact the School of Health and Rehabilitation Sciences at 614-292-1706 or HRSstudentservices@osumc.edu

Updated December 2023