RADIATION THERAPY

Degrees Offered

Bachelor of Science in Medical Imaging & Therapeutic Sciences
Post-Baccalaureate Professional Certificate in Radiation Therapy

Length of Program

The 12-month curriculum is composed of 40 semester hours and complies with the American Society of Radiologic Technology curriculum. Some of the courses in the curriculum include Treatment Planning, Patient Care, and Radiation Therapy Physics. The clinical component incorporates the American Registry of Radiologic Technology's Clinical Competency Requirements.

Clinical Instruction Sites

A UNMC radiation therapy student gains clinical experience by rotating through the following cancer centers:

- Cancer Partners of Nebraska, Lincoln
- CHI Health - Bergan Mercy, Omaha
- CHI Health - Midwest Cancer Center, Omaha
- CHI Health - St. Elizabeth Regional Medical Center, Lincoln
- CHI Health - Regional Cancer Center at St. Francis, Grand Island
- Jennie Edmundson Hospital, Council Bluffs
- Mary Lanning Medical Center - Morrison Cancer Center, Hastings
- Nebraska Hematology-Oncology, Lincoln
- Nebraska Medicine, Omaha
- Nebraska Medicine - Village Pointe Cancer Center, Omaha
- Nebraska Methodist Health System, Omaha

Degree Requirements

Students earning a Bachelor of Science degree must receive a passing grade of "C-" or better in all courses and maintain an overall quality grade point average of 1.67 (on a 4.0 scale) or above. Grades of less than "C" are considered as failing within the Radiation Therapy Program.

Students earning a Post-Baccalaureate Professional Certificate must receive a passing grade of "C" or better in all courses and maintain an overall quality grade point average of 2.33 (on a 4.0 scale) or above. Grades of less than "C" are considered as failing within the Radiation Therapy Program.

The UNMC radiation therapy program has a first-time ARRT pass rate of over 91%.

Radiation Therapy is a rewarding profession with ever-changing technology and extensive patient care. This career allows for a challenging work day as well as time for a personal life. If you feel you are a compassionate, motivated person who appreciates technical precision, this career may be for you.

Technical standards (https://www.unmc.edu/alliedhealth/academics/programs/rt/admission/technical-standards.html) required to be a Radiation Therapist.

Radiation Therapy Website Admissions & Tuition

Admissions

The mission of admissions in the College of Allied Health Professions is to advance evidence-based recruitment and admissions practices that are inclusive, equitable and balanced with respect to experiences, attributes and metrics to recruit and admit applicants for the purpose of preparing highly competent, collaborative and compassionate professionals dedicated to improving the health and healthcare of all individuals and communities.

For specific Radiation Therapy admissions, application, and timelines, visit: **Radiation Therapy Admissions**.

Tuition

UNMC Tuition Guide (https://catalog.unmc.edu/general-information/tuition/)
Financial Aid Website (https://www.unmc.edu/student-success/financial-aid/)

Curriculum

Overview

The University of Nebraska Medical Center's Radiation Program provides course instruction to clinical location placements in Omaha and Kearney. All didactic courses are considered online because of our use of distance education. The curriculum is delivered through a combination of synchronous, asynchronous, and blended delivery formats. All students are required to attend class in person at their designated clinical location placement site. The content of the Radiation Therapy curriculum follows the ASRT Radiation Therapy Professional Curriculum. The courses provide extensive didactic and clinical components to prepare the graduate for an exciting career in the field of radiation oncology.

To promote transparency, UNMC's Radiation Therapy Program has disclosed the specific delivery formats of each course in our curriculum below. Please refer to the provided definitions for further information about each delivery format.

Definitions

Online

Courses are considered online when "instruction and learning is 100% delivered via the Internet." This online designation encompasses all types of distance education delivery formats: synchronous, asynchronous, and blended instruction.

Synchronous Instruction

In synchronous classes, the course instructor teaches in real time from one program location. Instruction is transmitted live via Zoom from the

instructor's location to all other clinical location placement classrooms with two-way audio and video.

Asynchronous Instruction

In asynchronous classes, the course instructor teaches through posted instructional content to an online learning management system. The learner is responsible for completing instructional content on their own time with reference to individual course schedule. Examination delivery is determined by each course instructor and may be completed asynchronously or synchronously with or without a proctor.

Blended Instruction

Blended courses use a combination of synchronous and asynchronous instruction.

Clinical Instruction

Clinical instruction is completed in-person at the student's assigned clinical instruction sites.

Curriculum

Fall		Credit Hours
MITS 405T or MITS 605T	ORIENTATION TO RADIATION THERAPY (Online - Synchronous Instruction) or ORIENTATION TO RADIATION THERAPY	1
MITS 408T or MITS 608T	RADIATION THERAPY PHYSICS (Online - Blended Instruction) or RADIATION THERAPY PHYSICS	2
MITS 414T or MITS 614T	ONCOLOGY SECTIONAL ANATOMY & PATHOLOGY I (Online - Synchronous Instruction) or ONCOLOGY SECTIONAL ANATOMY & PATHOLOGY I	2
MITS 424T or MITS 624T	CLINICAL ONCOLOGY I (Online - Synchronous Instruction) or CLINICAL ONCOLOGY I	2
MITS 428T or MITS 628T	PRINCIPLES AND PRACTICE OF RADIATION THERAPY (Online - Synchronous Instruction) or PRINCIPLES AND PRACTICE OF RADIATION THERAPY	2
MITS 430T or MITS 630T	PATIENT CARE (Online - Synchronous Instruction) or PATIENT CARE	1
MITS 436T or MITS 636T	RADIATION THERAPY CLINICAL EDUCATION I (Clinical Instruction) or RADIATION THERAPY CLINICAL EDUCATION I	3
	Credit Hours	**13**
Spring		
MITS 415T or MITS 615T	ONCOLOGY SECTIONAL ANATOMY & PATHOLOGY II (Online - Synchronous Instruction) or ONCOLOGY SECTIONAL ANATOMY & PATHOLOGY II	2
MITS 425T or MITS 625T	CLINICAL ONCOLOGY II (Online - Synchronous Instruction) or CLINICAL ONCOLOGY II	2
MITS 435T or MITS 635T	TREATMENT PLANNING & DELIVERY (Online - Synchronous Instruction) or TREATMENT PLANNING & DELIVERY	3
MITS 438N or MITS 638N	ADVANCED RADIATION BIOLOGY (Online - Synchronous Instruction) or ADVANCED RADIATION BIOLOGY	3
MITS 439T or MITS 639T	RADIATION THERAPY CLINICAL EDUCATION II (Clinical Instruction) or RADIATION THERAPY CLINICAL EDUCATION II	3
CAHP 423	PRINCIPLES OF CRITICAL INQUIRY (Online - Asynchronous Instruction)	2
	Credit Hours	**15**
Summer		
MITS 442T or MITS 642T	PROFESSIONAL PROJECTS (Online - Asynchronous Instruction) or PROFESSIONAL PROJECTS	3
MITS 443T or MITS 643T	RADIATION THERAPY CLINICAL EDUCATION III (Clinical Instruction) or RADIATION THERAPY CLINICAL EDUCATION III	5
MITS 444T or MITS 644T	OPERATIONAL ISSUES IN ONCOLOGY (Online - Synchronous Instruction) or OPERATIONAL ISSUES IN ONCOLOGY	2
MITS 445T or MITS 645T	COMPREHENSIVE SEMINAR AND BOARD REVIEW (Online - Synchronous Instruction) or COMPREHENSIVE SEMINAR AND BOARD REVIEW	2
	Credit Hours	**12**
	Total Credit Hours	**40**

Radiation Therapy Website (https://www.unmc.edu/alliedhealth/academics/programs/rtt/)

Policies

Radiation Therapy Student Policies

In addition to the CAHP Student Policies (https://catalog.unmc.edu/allied-health-professions/cahppolicies/), students are required to follow the below policies. If you have any questions regarding the policies, please reach out to Lisa Bartenhagen (labarten@unmc.edu), Program Director.

- Clinical Compliance (http://catalog.unmc.edu/allied-health-professions/radthclinicalcomp/)
- Dress Code (http://catalog.unmc.edu/allied-health-professions/radthdresscode/)
- Magnetic Resonance Safety (http://catalog.unmc.edu/allied-health-professions/radthmrsafety/)
- Pregnancy (http://catalog.unmc.edu/allied-health-professions/radthpregnancy/)
- Radiation Protection (http://catalog.unmc.edu/allied-health-professions/radthradiationpro/)

- Student Employment Guidelines (http://catalog.unmc.edu/allied-health-professions/radthstudentemployment/)
- Student Leave (http://catalog.unmc.edu/allied-health-professions/radthstudentleave/)
- Supervision of Students (http://catalog.unmc.edu/allied-health-professions/radthsupervision/)
- Use of Technology (http://catalog.unmc.edu/allied-health-professions/radthuseoftech/)