

RADIOGRAPHY

Degree Offered

Bachelor of Science in Medical Imaging & Therapeutic Sciences

Length of Program

The program is 21 months in length, starting in August, and ending in May. The didactic component is composed of approximately 94 semester hours and complies with the American Society of Radiologic Technologists (<https://www.asrt.org/>) curriculum.

Clinical Instruction Sites

- Children's Nebraska, Omaha
- CHI Health Good Samaritan Hospital, Kearney
- CHI Health Good Samaritan Medical Group, Kearney
- CHI Health Saint Francis Medical Center, Grand Island
- Columbus Community Hospital, Columbus
- Faith Regional Health Services, Norfolk
- Family Practice of Grand Island, Grand Island
- Family Medical Specialties, Holdrege
- Franciscan Health Care, West Point
- Grand Island Regional Medical Center, Grand Island
- Great Plains Health, North Platte
- Kearney Regional Medical Center, Kearney
- Nebraska Medicine, Omaha
- New West Sports Medicine, Kearney
- Phelps Memorial Health Center, Holdrege
- Think Whole Person Healthcare, Omaha
- Veterans Affairs Nebraska-Western Iowa Health Care, Omaha

The amount of time dedicated to the clinical environment depends upon the student's year in the program and semester of enrollment. Part of the clinical experience will involve evening/weekend rotation requirements.

All students, male and female, will be offered the opportunity to participate in mammography rotations. The program will make every effort to place a male student in this rotation if requested; however, the program is not in the position to override clinical setting policies that may prohibit this. The program will not deny female students the opportunity to participate in mammography rotations if clinical settings are not available to provide the same opportunity to male students. The JRCERT position statement is available on the JRCERT Web site at www.jrcert.org (<http://www.jrcert.org>).

List of technical standards (<https://www.unmc.edu/alliedhealth/academics/programs/rt/admission/technical-standards.html>) required by the radiography profession.

Degree Requirements

Students must successfully complete each course within the radiography curriculum in order to be considered for the Bachelor of Science degree

in Medical Imaging & Therapeutic Sciences. A **minimum** total of 120 semester credit hours are required for the Bachelor of Science degree in Medical Imaging & Therapeutic Sciences (minimum of 26 semester credit hours of specific prerequisite coursework and approximately 92 semester credit hours in the Radiography Program).

All required didactic and clinical courses must be completed with a minimum letter grade of C- or better to meet requirements for graduation from the program.

Radiography Website (<https://www.unmc.edu/alliedhealth/academics/programs/rt/>)

Admissions

Radiography

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 Radiography admissions, application, and timelines, visit: **Radiography Admissions**.

Curriculum Overview

To promote transparency, UNMC's Radiography 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.

The University of Nebraska Medical Center's Radiography Program provides course instruction to five geographic clinical location placements across Nebraska: Omaha, Kearney, Columbus, North Platte, and Norfolk. Because of our use of distance education, all didactic courses are considered online. However, our curriculum is delivered through a combination of synchronous, asynchronous, and blended delivery formats.

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 placement. Instruction is transmitted live via Zoom from the instructor's location to all other program 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

First Year

Fall		Credit Hours
CAHP 462	HUMAN ANATOMY & PHYSIOLOGY I (Online - Blended Instruction)	4
MITS 312R	RADIOGRAPHIC TECHNOLOGY I (Online - Synchronous Instruction)	4
MITS 315R	APPLIED RADIOGRAPHIC TECHNOLOGY I (Clinical Instruction)	5
MITS 390R	DIGITAL IMAGING PRINCIPLES (Online - Synchronous Instruction)	4
NRS 250	PRIN CARE HOSPITALIZED (Online - Synchronous Instruction)	1
Credit Hours		18

Spring

CAHP 426	HEALTH CARE ETHICS AND CRITICAL THINKING (Online - Asynchronous Instruction)	3
CAHP 463	HUMAN ANATOMY & PHYSIOLOGY II (Online - Blended Instruction)	4
MITS 308R	INTRODUCTION TO MEDICAL IMAGING AND THERAPEUTIC SCIENCES (Online - Synchronous Instruction)	2
MITS 313R	RADIOGRAPHIC TECHNOLOGY II	3
MITS 316R	APPLIED RADIOGRAPHIC TECHNOLOGY II (Clinical Instruction)	5
MITS 333R	RADIOGRAPHIC TECHNOLOGY LABORATORY II	1
MITS 343R	RADIOGRAPHIC IMAGE CRITIQUE	1
MITS 402R	INTRODUCTION TO RADIATION PHYSICS (Online - Blended Instruction)	3
Credit Hours		22

Summer

CAHP 415	COMMUNICATION AND CULTURE IN HEALTHCARE (Online - Asynchronous Instruction)	3
MITS 314R	RADIOGRAPHIC TECHNOLOGY III (Online - Blended Instruction)	2
MITS 323R	APPLIED RADIOGRAPHIC TECHNOLOGY III (Clinical Instruction)	7
MITS 460R	CT PROTOCOLS AND CROSS-SECTIONAL ANATOMY (Online - Asynchronous Instruction)	2

MITS 461R	CT PHYSICS (Online - Asynchronous Instruction)	1
Credit Hours		15

Second Year

Fall

CAHP 420	FOUNDATIONS OF INFORMATION TECHNOLOGY IN HEALTHCARE (Online - Asynchronous Instruction)	2
CAHP 430	SCANNING HEALTH CARE ENVIRONMENT (Online - Asynchronous Instruction)	3
MITS 305R	SPECIAL PROJECTS I (Online - Asynchronous Instruction)	1
MITS 350R	RADIOGRAPHIC PATHOLOGY (Online - Asynchronous Instruction)	2
MITS 404R	APPLIED RADIOGRAPHIC TECHNOLOGY IV (Clinical Instruction)	6
MITS 414R	RADIATION HEALTH PHYSICS (Online - Synchronous Instruction)	2
NRS 301	FOUNDATIONS IN PATHOPHARMACOLOGY I (Online - Synchronous Instruction)	3
Credit Hours		19

Spring

CAHP 423	PRINCIPLES OF CRITICAL INQUIRY (Online - Asynchronous Instruction)	2
CAHP 431	MANAGEMENT IN HEALTH CARE (Online - Asynchronous Instruction)	3
MITS 306R	SPECIAL PROJECTS II (Online - Asynchronous Instruction)	1
MITS 355R	RADIOGRAPHIC PATHOLOGY II (Online - Asynchronous Instruction)	2
MITS 407R	RADIOGRAPHIC IMAGING SEMINARS (Online - Blended Instruction)	2
MITS 408R	APPLIED RADIOGRAPHIC TECHNOLOGY V (Clinical Instruction)	6
MITS 413R	RADIOLOGIC CONTRAST AGENTS (Online - Asynchronous Instruction)	2
Credit Hours		18

Total Credit Hours **92**

Radiography Website (<https://www.unmc.edu/alliedhealth/academics/programs/rt/>)

Policies

Radiography 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 Ashley Balliet (aballiet@unmc.edu), (kkmichael@unmc.edu) Program Director.

- Bloodborne Pathogens Exposure Plan for Students (<https://catalog.unmc.edu/general-information/student-policies-procedures/blood-and-body-fluid-exposure/>)

- Clinical Compliance (<http://catalog.unmc.edu/allied-health-professions/radiography/radiography-clinical-compliance/>)
- Dress Code (<http://catalog.unmc.edu/allied-health-professions/radiography/radiography-dress-code/>)
- Inclement Weather Policy (<http://catalog.unmc.edu/allied-health-professions/radiography/radiography-inclement-weather-policy/>)
- Magnetic Resonance Safety (<http://catalog.unmc.edu/allied-health-professions/radiography/radiography-mr-safety/>)
- Pregnancy (<http://catalog.unmc.edu/allied-health-professions/radiography/radiography-pregnancy/>)
- Procedures for Clinical Evaluations (<http://catalog.unmc.edu/allied-health-professions/radiography/radiography-procedures-clinical-evaluations/>)
- Radiation Protection (<http://catalog.unmc.edu/allied-health-professions/radiography/radiography-radiation-protection/>)
- Supervision of Students (<http://catalog.unmc.edu/allied-health-professions/radiography/radiography-supervision-students-policy/>)
- Student Employment Guidelines (<http://catalog.unmc.edu/allied-health-professions/radiography/radiography-student-employment/>)
- Student Leave (<http://catalog.unmc.edu/allied-health-professions/radiography/radiography-student-leave-time/>)
- Students Holding for Procedures (<http://catalog.unmc.edu/allied-health-professions/radiography/radiography-holding-procedures/>)
- Use of Technology (<http://catalog.unmc.edu/allied-health-professions/radiography/radiography-use-technology/>)
- Utilization of the Program's Energized Lab (<http://catalog.unmc.edu/allied-health-professions/radiography/radiography-utilization-energized-lab/>)