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. There are optional courses available to the student in specialized areas of interest.

The Radiography Program consists of lectures, demonstrations, laboratory, and supervised clinical experiences. The students gain clinical experience by rotating through one or more of the following facilities:

- Nebraska Medicine
- Children's Hospital
- Family Medical Specialties
- Family Practice of Grand Island
- Think Whole Person Healthcare
- Veterans Affairs Medical Center
- CHI Health - Saint Francis Medical Center
- Columbus Community Hospital
- CHI Health Good Samaritan Hospital
- Kearney Regional Medical Center
- Great Plains Health
- Phelps Memorial Health Center

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. The evening/weekend rotations will not comprise more than 25% of the student's total clinical clock hours.

List of technical standards (http://www.unmc.edu/alliedhealth/education/rt-about/rt-tech-standards.pdf) 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 94 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/education/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 (https://www.unmc.edu/alliedhealth/education/rt/admission/).

Curriculum

First Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CAHP 462</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY I</td>
<td>4</td>
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<tr>
<td>MITS 312R</td>
<td>RADIOGRAPHIC TECHNOLOGY I</td>
<td>3</td>
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<tr>
<td>MITS 315R</td>
<td>APPLIED RADIOGRAPHIC TECHNOLOGY I</td>
<td>5</td>
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<tr>
<td>MITS 390R</td>
<td>DIGITAL IMAGING PRINCIPLES</td>
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<tr>
<td>MITS 402R</td>
<td>INTRODUCTION TO RADIATION PHYSICS</td>
<td>3</td>
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<td>NRSG 250</td>
<td>PRIN CARE HOSPITALIZED</td>
<td>1</td>
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<td></td>
<td><strong>Total</strong></td>
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Fall

CAHP 310    | MEDICAL TERMINOLOGY                  | 2            |
CAHP 426    | HEALTH CARE ETHICS AND CRITICAL THINKING | 3               |
CAHP 463    | HUMAN ANATOMY & PHYSIOLOGY II        | 4            |
MITS 308R   | INTRODUCTION TO MEDICAL IMAGING AND THERAPEUTIC SCIENCES | 2               |
MITS 313R   | RADIOGRAPHIC TECH II                 | 4            |
MITS 316R   | APPLIED RADIOGRAPHIC TECHNOLOGY II   | 5            |
|             | **Total**                            | **20**       |

Spring

MITS 323R   | APPLIED RADIOGRAPHIC TECHNOLOGY III  | 7            |
CAHP 415    | COMMUNICATION AND CULTURE IN HEALTHCARE | 3               |
MITS 461R   | CT PHYSICS (online)                  | 1            |
MITS 413R   | RADILOGIC CONTRAST AGENTS            | 2            |
MITS 460R   | CT PROTOCOLS AND CROSS SECTIONAL ANATOMY | 2               |
|             | **Total**                            | **20**       |

Summer

Second Year

Fall

CAHP 420    | FOUNDATIONS OF INFORMATION TECHNOLOGY IN HEALTHCARE | 2               |
CAHP 430    | SCANNING HEALTH CARE ENVIRONMENT      | 3            |
MITS 305R   | SPECIAL PROJECTS I (online)           | 1            |
MITS 350R   | RADIOGRAPHIC PATHOLOGY (online)      | 2            |
MITS 404R   | APPLIED RADIOGRAPHIC TECHNOLOGY IV    | 6            |
MITS 414R   | RADIATION HEALTH PHYSICS              | 1            |
NRSG 311    | PATHOPHYSIOLOGIC ALTERATIONS IN HEALTH I | 2               |
NRSG 317    | PHARMACOLOGY FOR HEALTHCARE PROFESSIONALS I | 2               |
|             | **Total**                            | **15**       |
Certification and Licensure

Certification & Licensure

Certification
The American Registry of Radiologic Technologists (ARRT) is the credentialing organization that recognizes individuals qualified in the use of ionizing and non-ionizing radiation to promote high standards of patient care in diagnostic medical imaging, interventional procedures and therapeutic treatment. The ARRT tests and certifies technologists and administers continuing education and ethics requirements for their annual registration.

ARRT Primary Disciplines of Certification
The ARRT provides certification in these primary disciplines of radiologic technology: Radiography, Nuclear Medicine Technology, Sonography, Magnetic Resonance Imaging and Radiation Therapy.

Upon completion of the Radiography program at UNMC, graduates are eligible to apply for the national examination for certification offered by the ARRT.

For more information about the ARRT and requirements for certification and registration please contact:
The American Registry of Radiologic Technologists (http://www.arrt.org/)
1255 Northland Drive
St. Paul, MN 55120-1155
Phone: 651.687.0048

Licensure
Depending on the state in which you decide to practice, you may also be required to become licensed as a radiologic technologist. Each state has their own laws in regard to licensure. Individual states hold the authority to administer the license and grant individuals permission to practice radiologic technology within their state.

More information on licensure in Nebraska (http://dhhs.ne.gov/licensure/Pages/Medical-Radiography.aspx)

Radiography Website (https://www.unmc.edu/alliedhealth/education/rt/)