

MEDICAL IMAGING

Medical Imaging Specialists encompass the diagnostic imaging modalities of Radiography and Sonography. Careers under this umbrella include Radiologic Technology, Radiation Therapy, Medical Resonance Imaging, Diagnostic Medical Sonography, and Cardiovascular Technology. These medical professionals recreate a variety of images of different parts of the body for diagnostic and/or treatment purposes. These procedures can often include non-invasive tests that allow doctors to diagnose injuries and diseases.

CAREER DESCRIPTION* (Varies depending on Career)

- » National median salary: \$66,170-\$98,300
- » National projected career growth: 2-8%
- » Most work in hospitals, clinics, outpatient centers.

TYPICAL EDUCATION** (Includes prerequisites)

- » Radiologic Technologist: 2-4 years
- » Radiation Therapist: 4 years
- » MRI Tech: 4-5 years
- » Diagnostic Medical Sonographer: 4-5 years
- » Cardiovascular Tech: 4-5 years
- » UNMC Average Entering GPA: 3.68

UNMC AVERAGE ENTERING GPA BY PROGRAM

- » Radiologic Technologist: 3.55
- » Radiation Therapist: 3.7
- » MRI Tech: 2.87-3.72
- » Diagnostic Medical Sonographer: 3.0
- » Cardiovascular Tech: 3.0

NEARBY SCHOOLS & CLASS SIZE

- » University of Nebraska Medical Center: 37
 - » Bachelor of Science in Medical Imaging & Therapeutic Sciences
- » CHI Health School of Radiologic Technology: 14
 - » Bachelor of Science in Radiologic Technology
- » Clarkson College: 30
 - » Associate of Science in Radiology
 - » Bachelor of Science in Medical Imaging
- » Nebraska Methodist College: 28
 - » Associate of Science in Radiologic Technology
 - » Bachelor of Science in Imaging Sciences

For a full list of programs and degrees, please visit institution websites or contact us.

COMPETITIVE STUDENTS ALWAYS...

- » Take a medical terminology course before applying
- » Obtain experience in healthcare
- » Shadow a professional in the field

AREAS OF SPECIALTY

- » Immunohematology technologist (blood bank tech)
- » Clinical chemistry technologist
- » Immunology technologist
- » Microbiology technologist
- » Molecular biology technologist
- » Immunohematology technologist (blood bank tech)

WHAT PRACTICING PROFESSIONAL SAY



I love the radiography program at UNMC because we are exposed to a variety of different things including surgery, fluoroscopy, and diagnostic x-ray. This allows us to be a part of helping many people in the process of diagnosing injuries to diseases.

-Nathaniel Deeds

UNO Health Careers Resource Center
307 Allwine Hall | 402.554.5980
unohealthcareers@unomaha.edu
cas.unomaha.edu/hcrc

*Data and information from the Bureau of Labor Statistics

**Data and information from UNMC

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Click here for requirements from the schools listed below:

| | |
|---|--|
| University of Nebraska Medical Center | CHI Health |
| Clarkson College | Nebraska Methodist College |

*Prerequisites vary by program. Students are responsible for ensuring all entrance requirements are met.

*Most schools prefer science classes to be taken in-person versus online.

UNMC's Prerequisites: 28 semester hours

S = Spring, F = Fall, M = Summer

| Biological Sciences (minimum credits: 4) | | | |
|---|---------|----------|-----------------------------------|
| Course | Credits | Semester | Prerequisites |
| BIOL 1020 Principles of Biology & Lab | 4 | F, S, M | ENGL 1150 by placement |
| OR | | | |
| BIOL 1450 Biology I & Lab | 4 | F, S, M | High school Biology and Chemistry |
| OR | | | |
| BIOL 2440 The Biology of Microorganisms & Lab | 4 | F, S, M | High school Biology and Chemistry |
| OR | | | |
| *BIOL 2740 Human Anatomy & Physiology I & Lab | 4 | F, S, M | High school Biology and Chemistry |

*Anatomy and physiology I and II are strongly recommended for the Medical Imaging programs are the required for the other programs in Omaha.

| Physics (minimum credits: 5) | | | |
|--|---|------|---------------------|
| PHYS 1050 & 1054 Introduction to Physics & Lab | 5 | F, S | High School Algebra |

| Mathematics (minimum credits: 3) | | | |
|--|---|---------|-------------------|
| MATH 1300 College Algebra with Support | 4 | F, S, M | |
| OR | | | |
| MATH 1320 Pre-Calculus Algebra | 3 | F, S, M | ACT 22 or ALEKS 4 |

| English Composition (minimum credits: 6) | | | |
|--|---|---------|--|
| ENGL 1150 English Composition I | 3 | F, S, M | AP Score 3, ACT 14-26, HS GPA 2.3+ |
| ENGL 1160 English Composition II | 3 | F, S, M | AP Score 4, ENGL 1140 or 1150, or ACT 27+ or Reading or English ACT score of 29+ |

| Speech (minimum credits: 3) | | | |
|-----------------------------|---|---------|--|
| CMST 1110 Public Speaking | 3 | F, S, M | |

| Social Science/Humanities (minimum credits: 3) | | | |
|--|--|--|--|
| Coursework meeting this requirement may also include but is not limited to literature, composition, speech, foreign language, philosophy, psychology, sociology, art, history, and religion. | | | |

| Medical Terminology (minimum credits: 1) | | | |
|---|---|---------|--|
| BIOL 1160 Terminology of Human Health & Disease | 2 | F, S | |
| OR | | | |
| HEKI 2000 Medical Terminology | 1 | F, S, M | |

| Recommended Course | | | |
|---|---|---------|-----------|
| BIOL 2840 Human Anatomy & Physiology II & Lab | 4 | F, S, M | BIOL 2740 |

*Pass/Fail, CLEP, or Advanced Placement (AP) can only count for 6 credits.