

PRE-DIAGNOSTIC MEDICAL SONOGRAPHY

Diagnostic medical sonography (DMS) is a form of radiography. A diagnostic medical sonographer uses ultrasound machines to examine areas like the abdomen, heart, blood vessels, and reproductive organs, helping doctors diagnose medical conditions. Sonographers interpret the images they capture, report findings, and ensure patient comfort and safety during the procedure. They often work in hospitals, clinics, or diagnostic imaging centers, and they may specialize in areas like obstetric, vascular, or cardiac sonography. Their work plays a critical role in non-invasive medical diagnostics. Graduates of the UNMC sonography program are highly recruited by local, regional, and national employers. Career opportunities available to sonographers include clinics, hospitals, research institutes, educational facilities, or equipment application and sales. Professionals in diagnostic medical sonography are required to take certification exams to become licensed or certified. Begin your journey by starting your studies here at Wayne State College in Pre-Diagnostic Medical Sonography, then transferring to UNMC or the accredited school of your choice.

fast facts

Degree offered: B.S. in Medical Imaging and Therapeutic Sciences from the University of Nebraska Medical Center (UNMC)

Program details: This program is set up so you can take three years of courses at WSC and one year of courses at UNMC (or another school offering a DMS program) to receive your bachelor's degree.

Department: Physical Sciences and Mathematics

School: Science, Health, and Criminal Justice

focus on results

Skills Learned

- Human anatomy and physiology
- Biological systems and structures
- General chemistry and physics
- Research, data collection, and analysis
- Modern lab techniques

Possible Careers

- Diagnostic medical sonographer
- Sonographer / ultrasound technician
- Radiology technologist
- Computed tomography technologist
- Radiation therapist
- MRI technologist
- Nuclear medicine technologist

Types of Employers

- Hospitals and medical clinics
- Radiology labs
- Health care facilities
- Medical research facilities
- Medical equipment companies
- Non-profit organizations

outside the classroom

Activities/Opportunities

- Research projects and conferences
- Rural Health Opportunities Program (RHOP)
- Peer mentoring and tutoring
- Service-Learning

Clubs/Organizations

- Biology Club
- Health Science Club



Visit www.wsc.edu/clubs to learn more about clubs and organizations on campus.



The following information is provided to guide you in the pre-professional program described on this sheet. Every effort is made to ensure this information is current, but please be aware that some content may have changed. To develop a plan for choosing a major and registering for courses, please consult the current academic catalog and your advisor.

Pre-Diagnostic Medical Sonography program of study

You will take at least 77 hours of prerequisite courses at WSC and then go on to UNMC for additional education and training in sonography. This will complete your education, and you will receive your B.S. from UNMC.

Sample courses

In addition to our General Studies program, students may be advised to take the following courses before transferring to UNMC's DMS program. Please consult with your advisor to draft a complete plan of study, and be sure to check with UNMC (or other school of your choice) to make sure you're meeting all prerequisite course requirements.

BIO 108 Medical Terminology.....	1
BIO 110 Biology Concepts.....	4
BIO 220 Human Anatomy.....	4
BIO 340 Human Physiology.....	4
BIO 385 Microbiology.....	4
BIO 430 Parasitology.....	3
BIO 486 Immunology.....	3
CHE 106 General Chemistry I.....	4
CHE 107 General Chemistry II.....	4
CHE 326 Biochemistry I.....	3
PHY 201 General Physics I and PHY 321 Physics I Lab.....	4
PHY 202 Physics II and PHY 322 Physics II Lab.....	4

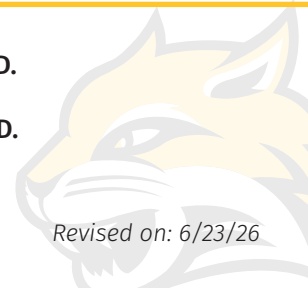
pre-radiography faculty



Visit www.wsc.edu/physical-sciences-mathematics-department to learn more about the Department Physical Sciences and Mathematics.

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