



# Medical Sciences DEPARTMENT

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## MAJORS

MEDICAL SCIENCE

## CONCENTRATIONS

MEDICAL  
SONOGRAPHY

RADIOLOGIC  
TECHNOLOGY

The Medical Sciences major at Edgewood College offers two concentrations: medical sonography, and radiologic technology.

Medical sonographers perform diagnostic ultrasound examinations and work under the guidance of physicians. You'll employ ultrasound, or high-frequency sound waves, to detect and diagnose diseases in body organs and tissues.

Radiologic technologists perform diagnostic imaging examinations and work under the guidance of radiologists. They use multiple kinds of ionizing radiation to identify and/or treat disease and to diagnose medical problems.

In the dynamic and evolving field of healthcare, qualified diagnostic medical sonographers, and qualified radiologic technologists are needed in hospitals, clinics, physicians' offices, medical laboratories, industry and public health.

As a Medical Sciences major in either concentration, you will complete three years of undergraduate academic study at Edgewood College. You'll then apply to either the School of Radiologic Technology or the School of Diagnostic Medical Sonography in the fall semester of your junior year. If admitted, you will complete two additional years at the University of Wisconsin Hospitals and Clinics (UWHC). Upon completion of the UWHC program, you will have earned your B.S. in Medical Science from Edgewood College and will be eligible to become a certified radiographic technologist or medical sonographer.

## **SAMPLE COURSES**

### **BIO 210 - Anatomy & Physiology I**

This course is the study of structure and function of the cells, tissues, skin, skeletal, muscular, and nervous systems of the human body. The class has three lectures and one two-hour lab per week. The blended online section completes the same lecture material through online coursework, and meets weekly for one, three-hour session consisting of the lab and a one-hour discussion.

### **BIO 410 - Pathology**

Pathology offers students an opportunity to understanding human disease and communicate their knowledge of pathology through oral presentations of a pathological condition. Pathology provides students with a basic understanding of the causes, physiological mechanisms, and clinical manifestations of human disease states. The clinical signs and symptoms along with the therapeutic consideration of human diseases will be addressed.

**"I really like the small classes and one-on-one interaction that I receive at Edgewood College. After I took a tour of campus I decided that I wanted to further my education here."**

**KAYLA KNIPFER '17,  
MEDICAL SCIENCES MAJOR,  
WITH A CONCENTRATION  
IN SONOGRAPHY**