

# Diagnostic Medical Sonography

## at Benedictine University

### Why study diagnostic medical sonography at Benedictine?

The Diagnostic Medical Sonography curriculum is designed to provide the student with a comprehensive body of knowledge and the necessary skills expected of a competent program graduate.

The curriculum includes didactic instruction that provides learning experiences to enhance understanding and performance of clinical responsibilities.

### What does a degree in Diagnostic Medical Sonography at Benedictine offer?

A bachelor's degree in Diagnostic Medical Sonography prepares you to:

- Obtain and record an accurate patient history
- Perform diagnostic procedures and obtain diagnostic images
- Analyze technical information
- Use independent judgment in recognizing the need to extend the scope of a procedure according to diagnostic findings
- Provide an oral or written summary of the technical findings to the physician for medical diagnosis
- Provide quality patient care
- Collaborate with members of the health care team

### How does the program work?

When you major in Diagnostic Medical Sonography, you will complete your first years of course work at Benedictine University. You should complete all college graduation requirements during these three years while maintaining a grade point average of 2.8 or above. **During your junior year, you apply to Northwestern Memorial Hospital for your clinical education. The admissions process is competitive.** During your senior year, you will complete an 18-month, 45-semester-hour clinical education curriculum at Northwestern Memorial Hospital.

When you complete this curriculum, you will be awarded a certificate of qualification as a diagnostic medical sonographer.

# Recommended Program

## Bachelor of Science in Diagnostic Medical Sonography

### FRESHMAN

Principles of Organismal Biology	3
General Chemistry I and Lab	4
Mathematics (MATH 111)	3
Writing Colloquium	3
Social Science core elective	3
	<b>16</b>

Research Writing	3
Principles of Biology	3
Principles of Biology Lab	1
General Chemistry II and Lab	4
Speech Communication	3
	<b>14</b>

### JUNIOR

Human Anatomy	4
Organic Chemistry I and Lab**	4
Statistics I	3
Religious Studies	3
Cultural Heritage (HUMN 240)	3
	<b>13-17</b>

Organic Chemistry II and Lab**	4
Arts and Humanities	3
Cultural Heritage (HUMN 250)	3
Biomedical Ethics	3
Social Science core elective	3
Special Topics in Health Science (HLSC 291)	2
	<b>18</b>

Transfer students must complete 30 hours at Benedictine University to be considered an affiliate in the application process.

### SOPHOMORE

Genetics and Lab	4
College Physics I and Lab*	4
Introduction to Computer Science	2
Science Application Lab	1
General Ethics	3
Cultural Heritage (HUMN 220)	3
	<b>17</b>

Human Physiology	4
General Physics II and Lab*	4
Humanities elective	3
Cultural Heritage (HUMN 230)	3
Social Science core elective	3
	<b>17</b>

### SENIOR

Clinical Education at Northwestern Memorial Hospital	
• Management and Methods of Patient Care	
• Image Critique	
• Fundamentals of Sonography	
• Abdomen Pathology	
• Abdomen Sonography	
• OB-GYN Pathology	
• OB-GYN Sonography	
• Introduction to Pediatric and Vascular Imaging	
• Ultrasound Physics I and II	
• Pathophysiology	
• Specialty Sonography	
• Sectional Anatomy for the Sonographer	
• Registry Review	

\*Courses must be completed with grades of "C" or better.

\*\*Students who may wish to attend professional school or graduate school should take Organic Chemistry.