



## **Diagnostic Medical Sonography**

Associate in Science | Code: 23038 | 77 credits

**CIP (1351091004)**

**Effective Term: Spring 2025 (2253)**

The Diagnostic Medical Sonography program prepares the student to become a Diagnostic Medical Sonographer. The Diagnostic Medical Sonographer provides patient services, using diagnostic ultrasound under the supervision of a doctor of medicine or osteopathy who is responsible for the use and interpretation of ultrasound procedures. The sonographer assists the physician in gathering sonographic data necessary to reach diagnostic decisions.

### **GENERAL EDUCATION REQUIREMENTS (15 Credits)**

#### **COMMUNICATIONS (3.00 credits)**

ENC 1101	English Composition 1	(3 credits)	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).
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#### **HUMANITIES (3.00 credits)**

ARH 1000	Art Appreciation	(3 credits)	Prerequisite: ENC 1101
HUM 1020	Humanities	(3 credits)	
LIT 2000	Introduction to Literature	(3 credits)	
MUL 1010	Music Appreciation	(3 credits)	
PHI 2010	Introduction to Philosophy	(3 credits)	
THE 2000	Theatre Appreciation	(3 credits)	

#### **MATHEMATICS (3.00 credits)**

MAC 1105	College Algebra	(3 credits)	Prerequisite: MAT 1033♦
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♦ **Note:** Students must seek advisement for proper mathematics course from discipline chairperson.

#### **NATURAL SCIENCE (3.00 credits)**

BSC 2085	Human Anatomy and Physiology 1	(3 credits)	Corequisite: BSC 2085L
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#### **SOCIAL SCIENCE (3.00 credits)**

AMH 2010	History of the US to 1877	(3 credits)
AMH 2020	History of the US since 1877	(3 credits)
POS 2041	American Federal Government	(3 credits)

### **COMPUTER COMPETENCY**

Test type(s) needed:

Computer Competency Test (CCT)

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CGS 1060C	Introduction to Computer Technology and Applications
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### **SCIENCE REQUIREMENTS (8.00 Credits)**

BSC 2085L	Human Anatomy and Physiology 1 Laboratory	(1 credits)	Corequisite: BSC 2085
BSC 2086	Human Anatomy & Physiology 2	(3 credits)	Prerequisite: BSC 2085; Corequisite: BSC2 086L
BSC 2086L	Human Anatomy & Physiology 2 Laboratory	(1 credits)	Prerequisite: BSC 2085, BSC 2085L; Corequisite: BSC 2086
PHY 1020	General Education Physics	(3 credits)	
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PHY 1025	Basic Physics	(3 credits)	Prerequisite: MAC 1105

**ELECTIVE REQUIREMENTS (3.00 Credits)**

Electives any appropriate transferrable (Credit Type 1 or 2) courses (Check with Advisor).

**MAJOR CORE REQUIREMENTS (51.00 Credits)**

SON 1000L	Introduction to Sonography 1	(1 credit)	Corequisites: SON 1111C, SON 1121C
SON 1001L	Introduction to Sonography 2	(1 credit)	Prerequisite: SON 1000L
SON 1005L	Basic Sonography	(2 credits)	Prerequisite: SON 1000L
SON 1006L	Professional Aspects of Sonograph	(1 credit)	
SON 1100L	Principles of Protocols of Imaging	(2 credits)	
SON 1111C	Abdominal Sonography 1	(2 credits)	Prerequisite: SON 1000L
SON 1112C	Abdominal Sonography 2	(2 credits)	Prerequisite: SON 1111C
SON 1113L	Sonography Cross Sectional Anatomy	(2 credits)	
SON 1115L	Duplex Abdominal Sonography	(1 credit)	Prerequisite: SON 1112C
SON 1121C	Obstetrics/Gynecology Sonography 1	(2 credits)	Corequisite: SON 1000L
SON 1122C	Obstetrics/Gynecology Sonography 2	(2 credits)	Prerequisite: SON 1121C
SON 1141C	Small Parts Sonography	(2 credits)	Prerequisite: SON 1112
SON 1145L	Pediatric Sonography	(1 credit)	Prerequisite: SON 1141C
SON 1804	Clinic 1	(2 credits)	Corequisite: SON 1000L
SON 1814	Clinic 2	(2 credits)	Prerequisite: SON 1804
SON 1824	Clinic 3	(3 credits)	Prerequisite: SON 1814
SON 2139L	Cardiovascular Principles	(1 credit)	Prerequisite: SON 2400C; Corequisite: SON 2401C
SON 2151C	Neurosonography	(2 credits)	Prerequisites: SON 1113L, SON 1141C
SON 2400C	Echocardiography 1	(2 credits)	Prerequisite: SON 1000L
SON 2401C	Echocardiography 2	(2 credits)	Prerequisite: SON 2400C
SON 2614C	Acoustical Physics and Instrumentation 1	(2 credits)	Prerequisite: SON 1005L
SON 2618C	Acoustical Physics and Instrumentation 2	(2 credits)	Prerequisites: SON 2614C, CGS 1060C
SON 2619C	Doppler Principles and Instrumentation	(2 credits)	Prerequisite: SON 2618C
SON 2834	Clinic 4	(2 credits)	Prerequisite: SON 1824
SON 2844	Clinic 5	(3 credits)	Prerequisite: SON 2834
SON 2854	Clinic 6	(3 credits)	Prerequisite: SON 2844
SON 2930L	Seminar in Sonography	(1 credit)	
SON 2935L	Diagnostic Ultrasound Imaging: Advanced Techniques and Case Analysis	(1 credit)	Prerequisite: SON 2834