



## **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)	
HUM 1020	Humanities	(3 credits)	
LIT 2000	Introduction to Literature	(3 credits)	Prerequisite: ENC 1101
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)	
--OR--			
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