

# Diagnostic Medical Sonography

## Associate in Science Degree Program

**Contact Hours:** 2,070

**Semester Credits:** 84.5

**Instructional Weeks – Full Time:** 80

**Average Time to Complete – Full Time:** 20 Months

## Program Overview

Diagnostic medical sonographers use special imaging equipment that directs sound waves into a patient's body (in a procedure commonly known as an ultrasound, sonogram, or echocardiogram) to assess and diagnose various medical conditions.

The Diagnostic Medical Sonography curriculum integrates didactic and clinical instruction with increasing expectations at each level. Clinical sites utilized by the program are geographically dispersed. Students may have to travel outside of the local area for clinical placements.

## Program Delivery

The Diagnostic Medical Sonography program is delivered in a blended format. Courses will be delivered entirely online, entirely on-ground or with an appropriate blend of both online and on-ground hours in the same course. Of the 2,070 program hours, a maximum of 695 course hours (33.6%) may be offered online (including general education courses). Campuses may have the option to deliver general education courses either online or on-ground depending on local need and availability specific time, regardless of their eligibility status upon enrollment.

## Program Objectives

To prepare competent entry-level sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains for the following concentration(s) it offers:

- Abdominal sonography - Extended
- Obstetrics and gynecology sonography

Graduates of this program will develop skills to:

1. Be clinically competent to perform appropriate procedures and record anatomic, pathologic, and/or physiologic data;
2. Apply critical thinking and problem solving skills to exercise discretion and judgment in performance of diagnostic sonography;
3. Demonstrate appropriate communication skills; and
4. Demonstrate professionalism and growth in the profession.

Course #	Course Title	Theory Hours (Ground/Online)	Lab Hours (Ground/Online)	Clinical Hours (Ground/Online)	Semester Credit Hours
BIOL1111	Anatomy & Physiology I VLab	0	30 ( 0 / 30 )	0	1
BIOL1121	Anatomy & Physiology II VLab	0	30 ( 0 / 30 )	0	1
BIOL1310	Anatomy & Physiology I	45 ( 0 / 45 )	0	0	3
BIOL1320	Anatomy & Physiology II	45 ( 0 / 45 )	0	0	3
COMM1310	Elements of Human Communication	45 ( 0 / 45 )	0	0	3
DMSG1210	Scanning Lab I	0	80 ( 65 / 15 )	0	2.5
DMSG1220	Scanning Lab II	0	80 ( 70 / 10 )	0	2.5

DMSG1321	Sonographic Cross-Sectional Anatomy	45 ( 20 / 25 )	0	0	3
DMSG1810	Physics & Instrumentation	120 ( 60 / 60 )	0	0	8
DMSG1820	Abdominal Sonography	120 ( 30 / 90 )	0	0	8
DMSG2210	Scanning Lab III	0	80 ( 70 / 10 )	0	2.5
DMSG2220	Registry Review	30 ( 30 / 0 )	0	0	2
DMSG2230	General Vascular Sonography I	30 ( 30 / 0 )	0	0	2
DMSG2240	General Vascular Sonography II	30 ( 10 / 20 )	0	0	2
DMSG2710	Clinical Education I	0	0	320 ( 320 / 0 )	7
DMSG2720	Clinical Education II	0	0	320 ( 320 / 0 )	7
DMSG2730	Clinical Education III	0	0	320 ( 320 / 0 )	7
DMSG2810	OB/GYN Sonography	120 ( 30 / 90 )	0	0	8
ENGL1310	English Composition I	45 ( 0 / 45 )	0	0	3
HPRS1320	Foundations for Health Professionals	45 ( 0 / 45 )	0	0	3
MATH1320	College Algebra	45 ( 0 / 45 )	0	0	3
PHYS1311 *	Introductory Physics	45 ( 0 / 45 )	0	0	3
<b>Total</b>		<b>810 (210/600)</b>	<b>300 (205/95)</b>	<b>960 (960/0)</b>	<b>84.5</b>

*\*For students who start on or after September 18, 2023, this course will change from PHYS1310 to PHYS1311*

*These courses may be offered entirely online or entirely on-ground at the campus*