

Diagnostic Medical Sonography

Diagnostic Medical Sonography Associate in Applied Science

Mission Statement:

The mission of the Diagnostic Medical Sonography program is to meet the needs of the area by providing a pool of qualified graduates for entry level positions in sonography.

Entrance Requirements:

Acceptable placement test score(s)

Type of Program:

Phase I: Day, evening, or weekend; Phase II: Day

Professional Credentials:

Diagnostic Medical Sonographer (subject to passing national certification exam)

Program Accreditation:

The Commission on Accreditation of Allied Health Education Programs (CAAHEP), 25400 US Highway 19 North, Suite 158, Clearwater, FL 33763, (727) 210-2350, www.caahep.org

Joint Review Committee on Educational in Diagnostic Medical Sonography (JRCEDMS), 6021 University Boulevard, Suite 500 Ellicott City, MD 21043; Email address: jrcdms@intersocietal.org; (443) 973-3251

Employment Opportunities:

Hospitals, clinics, physician offices, and outpatient imaging centers.

- Diagnostic Medical Sonography is a technical science that deals with the use of ultrasound for diagnostic purposes in medicine. Sonographers, also known as ultrasound technologists, use high frequency sound waves to image structures within the body.
- The sonographer is responsible for the production of diagnostic images and is a technical assistant to the physician radiologist. Additional information on the profession can be found at the following web site: www.sdms.org/career
- This program is designed as a One-Plus-One program. Phase I includes all of the general education and related course work. Upon successful completion of all Phase I courses, qualified students may apply to Phase II, which includes all Diagnostic Medical Sonography course work.
- Didactic courses are taught on the Barton Campus with clinical training at various clinical affiliates located throughout the Upstate of South Carolina.
- Clinical assignments are required in Phase II. Students will be responsible for transportation to their clinical sites.
- Upon successful completion of the program, students will be eligible to take the national certification examination through the American Registry of Diagnostic Medical Sonography (ARDMS) in the areas of Physics & Instrumentation, OB/GYN, and Abdomen. To obtain the RDMS credential, an individual must pass the Ultrasound Physics and Instrumentation examination in addition to at least one other exam component.
- **Phase I admission requirements:**
 - All individuals seeking to enter the Diagnostic Medical Sonography program must meet the requirements outlined in the Health and Wellness admission requirements as stated in the college catalog (excluding physical exam).
 - High school level biology and physics are strongly encouraged. Keyboarding skills are also recommended.
 - Complete a Career Talk session (online) for this major within two years prior to consideration for acceptance into Phase II (required).
 - Take the TEAS entrance exam at Placement Testing Center in Admissions and Registration Center.
 - Acceptable placement test scores.

- BIO 210 and BIO 211 must be completed no more than five (5) years prior to beginning Phase II. Students who exceed the five-year limit must take BIO 211 as a refresher.
- Physics must be completed no more than 5 years prior to beginning Phase II. The refresher for Physics is PHY 201 or RAD 107.
- Must obtain a minimum grade of "C" or higher with a minimum technical GPA of 2.50. Technical GPA is computed using the 10 general education courses that comprise Phase I.
- **Application process for Phase II:**
 - Students who anticipate completing all Phase I courses with the appropriate grades and technical GPA are eligible to submit a Weighted Admissions Form for entry into Phase II.
 - Weighted Admission Forms should be stamped and submitted in Building 120 Room 218 between January 1 and May 1. Late applications will not be accepted.
 - Students are selected based upon a weighted admissions process. If students are equal in points, selection is based upon the student's technical GPA. Should there be a tie in points and GPA, the time stamp on the Weighted Admissions will be used.
 - Students who complete all general education courses with the appropriate grade by the end of the spring term will be considered first. Students who complete the general education courses during the summer will be seated only if space is available.
 - A maximum of 15 students will be accepted.
 - A negative 10-panel drug screen and an acceptable criminal background check are required for all students accepted into Phase II.
 - Students must be able to attend all clinical experiences.
 - Documentation of CPR for the Healthcare Provider certification, through the American Heart Association, must be maintained throughout Phase II.
 - Accepted students must submit a physical exam form completed by licensed practicing physician or certified nurse practitioner indicating good physical and mental health with current immunizations.
 - Complete assigned pre-clinical education training requirements prior to the start of clinical experiences and annually thereafter.
 - If accepted to Phase II, submit Intent Form along with \$100 non-refundable deposit to secure seat in program.
 - Have a crime-free background for seven years prior to entering Phase II. Students may be subject to submit more than one background screen during the program. Some Convictions greater than seven years old may prevent entry into and through the program.

Recommended Program Schedule

PHASE I

First Semester - Summer

ENG	101	English Composition I*	3.0
AHS	102	Medical Terminology	3.0

Second Semester - Fall

BIO	210	Anatomy & Physiology I*/+	4.0
MAT	110	College Algebra */**	3.0
PSY	201	General Psychology*	3.0
SPC		Speech Course* (SPC 200 or SPC 205 or SPC 209)	3.0

Third Semester - Spring

BIO	211	Anatomy & Physiology II*/+	4.0
RAD	107	Physics for Medical Imaging	3.0
		or	
PHY	201	Physics I*	4.0
CPT	170	Microcomputer Applications	3.0
		College transferable Humanities*	3.0

PHASE II**Fourth Semester - Fall**

DMS	101	Ultrasound Physics & Instrumentation	2.0
DMS	105	Sonographic Anatomy of the Abdomen	4.0
DMS	117	Gynecology	2.0
DMS	164	Introduction to Clinical Education	2.0
DMS	104	Patient Care for Sonography	2.0

Fifth Semester - Spring

DMS	102	Ultrasound Physics & Instrumentation II	3.0
DMS	116	Abdominal Ultrasound	4.0
DMS	119	Embryology and First Trimester Ultrasound	2.0
DMS	165	Clinical Education II	8.0

Sixth Semester - Summer

DMS	166	Advanced Clinical Education	7.0
DMS	200	Seminars in Sonography	2.0

Seventh Semester - Fall

DMS	124	OB/GYN Sonography II	2.0
DMS	130	Selected Topics in Sonography	2.0
DMS	167	Imaging Practicum	8.0

Total Required Credit Hours:**82.0/83.0**

* General education course — complete these courses (or equivalent) as prerequisite requirements with a grade of “C” or higher.

**MAT 120 will NOT be accepted in lieu of MAT 110.

+Anatomy and Physiology courses must be either BIO 210/211 or the BIO 215/216 combination. BIO 211 must be completed no more than five (5) years prior to beginning Phase II.

Visit <https://www.gvltec.edu/gainful-employment/> for important information about the educational debt, earnings and graduation rates of students who attended programs.