

Associate in Applied Science Degree DIAGNOSTIC MEDICAL SONOGRAPHY, A.A.S.

The technological advancement of diagnostic sonography has been incredibly beneficial for the medical field. Diagnostic Medical Sonographers use sound waves at high frequencies to produce high-resolution images for physicians to visualize the body's internal organs, muscles, and joints, providing more accuracy when determining a patient's condition and course of treatment. One of the more popular uses of this technology is obstetric sonography, which allows doctors, along with expectant parents, to see the fetus as it develops and to monitor for abnormalities or health complications in the developing child. Students completing the program are eligible to take the ARRT - American Registry of Radiologic Technologist and the ARDMS (American Registry of Diagnostic Medical Sonography) registry exams in Diagnostic Medical Sonography. See the program mission below.

Program Information

Specific Admission Requirements for Program

The Diagnostic Medical Sonography program is a limited-access program. All applicants must meet weighted admission requirements by May 15 to be considered for the program. However, meeting admission requirements does not guarantee acceptance into the DMS program. Students with the highest scores will receive admission to the program. A waiting list of applicants will not be maintained for future admission. An applicant who receives notification that he/she was not admitted to the program must resubmit the Diagnostic Medical Sonography Application# by the program application deadline date to be considered for admission to the next available class. Program admissions application is available above under admissions information.

- Must pass Criminal Background Check prior to acceptance
- Must pass Urine Drug Screening prior to acceptance
- Submit a Health Sciences Division Student Health Record Form indicating the candidate has the ability to perform the physical tasks required in the program.
- Complete and pass the General Hospital Orientation.
- Proof of CPR certification for Health Care Providers prior to admission and during program.
- Review and acknowledge the **Medical Imaging Technical Standards Form**.
- Successful completion of all 10 Diagnostic Medical Sonography Core Courses with a minimum grade of "C" and a GPA of at least 2.75. (Course time limits apply.)
- Payment of a non-refundable tuition deposit.
- Complete the online **Diagnostic Medical Sonography Information Session**.
- For re-acceptance guidelines, see the DMS Student Handbook.
- Other expenses for which you are responsible may include, but are not limited to: purchasing scrubs and shoes, gas and transportation to clinical sites, and Licensing Exam fees.
- To be licensed as a Diagnostic Medical Sonographer the graduate must pass the ARDMS (American Registry of Diagnostic Medical Sonography) or ARRT - American Registry of Radiologic Technologist and registry exams in Diagnostic Medical Sonography. The cost of completing the NPTE and application for licensure is NOT included in the cost of tuition for the program.

Course Sequence and Progression Requirements

A cumulative GPA of 2.5 or higher as well as a minimum grade of "C" or better is required for all program courses for progression and graduation. Grades below "C" are considered course failures. Any student who fails to meet the requirements for progression will be dropped from the Diagnostic Medical Sonography program and must meet re-entry requirements prior to re-application. For further information regarding re-acceptance, see the DMS Student Handbook.

Students must pass a criminal background check and urine drug screening 30 days prior to starting clinical each semester.

CURRICULUM SEQUENCE

PHASE 1 – GENERAL ADMISSION

Phase I is a general admission phase and enables students to enroll in the General Education prerequisite courses required for Diagnostic Medical Sonography. These courses may be completed at Horry-Georgetown Technical College or transferred in from another accredited institution.

General Education Course	Title	Semester Credit Hours
BIO 210	Anatomy & Physiology I	4
ENG 101	English Composition	3

(Continued)

MAT 101	Beginning Algebra	3
PHY 118	Medical Imaging Science	3
AHS 110	Patient Care Procedures	2
*The following 4 courses may be taken in either Phase I or Phase II.		
BIO 211*	Anatomy & Physiology II	4
AHS 102*	Medical Terminology	3
PSY 201*	General Psychology	3
Humanities*	Elective	3
Total Credit Hours		28

NOTE: Registration for ENG and MAT courses require students to have appropriate test scores and/or prerequisite courses. Please refer to your advisor to determine your academic qualifications and eligibility for enrolling in ENG and MAT courses.

Students may apply to Phase II - Limited Access Diagnostic Medical Sonography upon completion of the following:

- The five (5) required General Education courses with a cumulative GPA of 3.0 or greater.
- Having a TEAS test score of 65 or above.
- The Diagnostic Medical Sonography Program Specific Application.

PHASE II – LIMITED ACCESS

After applying to Phase II, students will be accepted on a most qualified basis to the Diagnostic Medical Sonography (DMS) program.

Students accepted into Phase II will receive a Diagnostic Medical Sonography program acceptance letter from the HGTC Admissions Office providing next steps and due dates for enrolling in the Limited Access DMS program.

After admission to PHASE II - Limited Access, students must complete the following to graduate as a Diagnostic Medical Sonographer.

First Semester- Fall	Course Title	Semester Credit Hours
DMS 101	Ultrasound Physics and Instrumentation I	2
DMS 114	DMS Cross Sectional Anatomy	3
TOTAL		5
Second Semester - Spring		
DMS 120	Sonographic Instrumentation II	3
DMS 164	Introduction to Clinical Education	2
DMS 116	Abdominal Ultrasound	4
DMS 112	OB/GYN Sonography I	3
TOTAL		12
Third Semester - Summer		
DMS 175	Clinical Education III	6
TOTAL		6
Fourth Semester - Fall		
DMS 160	Clinical Applications II	7
DMS 122	Abdominal Sonography	1
DMS 124	OB/GYN Sonography II	2
DMS 126	Advanced Sonographic Topics	2
TOTAL		12
Fifth Semester - Spring		
DMS 130	Selected Topics in Sonography	2
DMS 166	Advanced Clinical Education	7
TOTAL		9
TOTAL CREDIT HOURS		72