

## 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.

### Admissions 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. In addition, prospective students must:

- Pass Criminal Background Check prior to acceptance
- Submit a 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.
- Provide 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 5 Diagnostic Medical Sonography Core Courses with a minimum grade of "C" and a GPA of at least 3.0. (Course time limits apply.)
- Payment of a non-refundable tuition deposit.
- 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 application for licensure is NOT included in the cost of tuition for the program.

#### Course Sequence and Progression Requirements

A minimum grade of "C" or better is required for all program courses for progression and graduation. Grades below "C" are considered course failures. Students must pass a criminal background check and urine drug screening 30 days prior to starting clinical each semester. Any student who fails to meet the requirements for progression will be dropped from the Diagnostic Medical Sonography program and must apply for re-acceptance. For further information regarding re-acceptance, see the DMS Student Handbook.

#### Required Courses

Diagnostic Medical Sonography Requirements

#### DEGREE REQUIREMENTS: DIAGNOSTIC MEDICAL SONOGRAPHY

Component	Course Title	Semester Credit Hours
<b>General Education</b>		
*BIO 210	Anatomy and Physiology I	4
*ENG 101	English Composition I	3
*MAT 101	Beginning Algebra	3
**BIO 211	Anatomy and Physiology II	4

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**PSY 201	General Psychology	3
<b>and</b>		
<b>**Select one Humanities course from the list below:</b>		
ENG 201	American Literature I	3
ENG 202	American Literature II	3
ENG 205	English Literature I	3
ENG 206	English Literature II	3
ENG 208	World Literature I	3
ENG 209	World Literature II	3
ENG 230	Women in Literature	3
ENG 236	African American Literature	3
HIS 101	Western Civilization to 1689	3
HIS 102	Western Civilization Post 1689	3
HIS 201	American History: Disc to 1877	3
HIS 202	American History: 1877 to Pres	3
PHI 101	Introduction to Philosophy	3
PHI 110	Ethics	3
PHI 201	History of Philosophy	3
REL 103	Comparative Religion	3
SPA 201	Intermediate Spanish I	3
SPA 202	Intermediate Spanish II	3
<b>CREDITS</b>		<b>20</b>
<b>REQUIRED CORE SUBJECT AREAS</b>		
*PHY 118	Medical Imaging Science	3
DMS 110	Sonographic Instrumentation	3
DMS 116	Abdominal Ultrasound	4
DMS 112	OB/GYN Sonography I	3
DMS 124	OB/GYN Sonography II	2
DMS 164	Introduction to Clinical Education	2
<b>CREDITS</b>		<b>17</b>
<b>OTHER HOURS REQUIRED FOR GRADUATION</b>		
**AHS 102	Medical Terminology	3
*AHS 110	Patient Care Procedures	2
DMS 114	DMS Cross Sectional Anatomy	3
DMS 120	Sonographic Instrumentation II	3
DMS 175	Clinical Education III	6
DMS 160	Clinical Applications II	7
DMS 122	Abdominal Sonography	1
DMS 126	Advanced Sonographic Topics	2
DMS 130	Selected Topics in Sonography	2
DMS 166	Advanced Clinical Education	7
<b>CREDITS</b>		<b>36</b>

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\*Courses must be completed during Phase I, General Admission phase of the DMS program or transferred in from another accredited institution.

\*\*Courses may be completed during the General Admissions phase of the DMS program, or after accepted into the Phase II, Limited Access DMS program.

To apply to the Limited Access DMS program, the following must be completed:

- The five courses denoted with \*, found in the General Admission phase with a cumulative GPA of 3.0 or greater.
- A minimum TEAS score of 65.
- The Diagnostic Medical Sonography Program Specific Application.

*Students accepted into Phase II: Limited Access DMS will receive an acceptance letter from the HGTC Admissions Office outlining next steps and due dates for enrolling into the Limited Access program.*

*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.*