

Diagnostic Medical Sonography

Associate of Applied Science

The college offers a cooperative program with area hospitals that is designed to provide understanding, proficiency, and skill in diagnostic medical sonography. Upon completion of the program, the successful student is awarded an Associate of Applied Science Degree and meets the requirements set by the American Registry for Diagnostic Medical Sonography (ARDMS) to apply for their licensure examination.

The program curriculum provides a balance of didactic and technical courses which affords each student individual opportunities for educational development and clinical competence. The student must achieve a minimum grade of “C” in all sonography courses or be dropped from the program.

Program Accreditation

Angelina College Diagnostic Medical Sonography Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 25400 US Highway 19 North, Suite 158, Clearwater, FL, 33763, (phone: 727-210-2350, www.caahep.org).

Admission Criteria

Diagnostic Medical Sonography Program

1. Application and acceptance to Angelina College.
2. Must be Texas Success Initiative (TSI) complete.
3. Attend a mandatory sonography program information session to obtain a program application and program information. Dates for these sessions are posted in HC-II and on the Angelina College website under “Health Careers”.
4. Program application must be submitted, completed physical health form, receive appropriate immunizations as mandated by the Texas Department of State Health Services for health care workers, and provide proof of current 2-year American Heart Association CPR card no later than July 15th each year for August consideration. **All requested information must be received by the program in order for the application to be complete.** The hepatitis B series (3 shots in 6 months) must be completed by the first clinical day of the first semester.
5. Official college transcripts must be submitted in the Application Packet. College transfer students must submit official transcripts from all colleges attended.
6. Complete all prerequisite courses with a grade of “C” or better prior to designated date:
 - BIOL 2404 – Human A&P (General)
 - ENGL 1301 – Composition
 - PSYC 2301 – General Psychology
 - MATH 1314 – College Algebra
 - PHYS 1305 – Elementary Physics
 - DMSO 1210 – Introduction to Sonography

Prerequisite courses may be taken only twice for selection consideration. If a prerequisite course is taken more than twice, only the second grade will be calculated in the cumulative GPA for prerequisite courses.
7. “Conditional” acceptance into the diagnostic medical sonography program is limited. Applicants will be ranked and selected based on the following criteria:
 - a. Completion of ALL requirements by published deadlines.
 - b. Cumulative GPA in BIOL 2404, ENGL 1301, PSYC 2301, MATH 1314, PHYS 1305, and DMSO 1210. Applicants will be ranked according to the cumulative GPA of the prerequisite courses following the completion of the second Summer semester. Twenty (20) applicants with the highest GPA in the prerequisite courses will be scheduled for a personal interview.
 - c. Program admission is based upon a point value system. The point value system is posted on the Angelina College website on the Health Careers page.

8. Applicants will be notified on “conditional” acceptance decisions by the end of the second summer session via student email.
9. Background check and random drug screen are required upon “conditional” acceptance and performed at the student’s expense. These are completed with agencies designated by the program.
10. The drug screen and background check must be successful/negative to receive “full” acceptance into the Sonography program.

Diagnostic Medical Sonography Mission and Philosophy

The Diagnostic Medical Sonography Program, in concert with the mission and philosophy of Angelina College, is committed to provide a quality and comprehensive education in general sonography for preparation in the profession. Through didactic information, educational resources, and a variety of clinical experiences, the program is designed to develop competent, responsible, and independent sonography professionals. The program’s mission is also supported by a dedicated team of experienced faculty, sonographers, and physicians who encourage and model life-long learning in diagnostic medical sonography.

Program Learning Outcomes

Upon completion of an Associate of Applied Science degree in Diagnostic Medical Sonography, the graduate should possess the knowledge and skills to implement safe, competent, entry level skills in sonography. The graduate will accomplish this by the following:

- a. Demonstrate entry level competency for employment in the profession.
- b. Utilize critical thinking skills as a basis for decision making in the role of the sonographer.
- c. Employ professional judgment and discretion while adhering to the professional code of ethics and standard of practice.
- d. Utilize effective oral and written communication
- e. Demonstrate awareness of the need for life-long learning and professional growth.

Goals

- To prepare competent entry-level general sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.
- To produce graduates who meet the requirements set by the American Registry for Diagnostic Medical Sonography certification examination upon completion of the program.
- To seek new community partnerships for clinical practice as needs are identified according to student growth and the addition of advanced modality certificate programs.
- To provide students with both academic and clinical instruction in the field of Diagnostic Medical Sonography in order to meet the employment needs of the graduate and of the medical communities.
- To foster and promote the pursuit of life-long learning and professional growth in each student.

Licensure Requirements

Students considering this program are advised that any conviction of a felony or misdemeanor charge (other than a minor traffic violation/DWI **is not** a minor traffic violation) can make them ineligible for certification by the ARDMS. The ARDMS is the only agency that can address whether they will or will not allow an individual with a criminal record to write the examination. If in doubt, students should investigate the possibilities with the ARDMS at www.ardms.org or (301) 738-8401.

Associate of Applied Science in Diagnostic Medical Sonography
(Health Professions Pathway)

		Credit Hrs
First Year		
Summer I Session		
ENGL 1301	Composition	3
BIOL 2404	General Human Anatomy & Physiology	4
PHYS 1305	Elementary Physics	3
Total Hours		10
Summer II Session		
PSYC 2301	General Psychology	3
MATH 1314	College Algebra	3
DMSO 1210	Introduction to Sonography	2
Total Hours		8
Fall Semester		
STSU 0300	Student Success	0
DMSO 1266*	Practicum (or Field Experience)	2
DMSO 1351*	Sonographic Sectional Anatomy	3
DMSO 1441*	Abdominopelvic Sonography	4
DMSO 1342*	Intermediate Ultrasound Physics	3
Total Hours		12
Spring Semester		
DMSO 1267*	Practicum (or Field Experience)	2
DMSO 2353*	Sonography of Superficial Structures	3
DMSO 2405*	Sonography of Obstetrics/Gynecology	4
Total Hours		9
Summer II		
DMSO 2266*	Practicum (or Field Experience)	2
Total Hours		2
Second Year		
Fall Semester		
DMSO 2366*	Practicum (or Field Experience)	3
DMSO 2342*	Sonography of High Risk Obstetrics	3
DMSO 2351*	Doppler Physics	3
XXXX x3xx	Guided Elective	
	Choose from ARTS 1301, DRAM 1310, MUSI 1310, MUSI 1306, ENGL 2322, ENGL 2323, ENGL 2326, ENGL 2332, or ENGL 2379	3
Total Hours		12
Spring Semester		
DMSO 2367*	Practicum (or Field Experience)	3
DMSO 2230*	Advanced Ultrasound and Review	2
DMSO 1455*	Sonographic Pathophysiology	4
DSVT 1300*	Principles of Vascular Technology	3
Total Hours		12
Total Hours for Degree		65

*Prerequisites and corequisites required. See [course descriptions](#). Courses must be taken in sequence.