

Diagnostic Medical Sonography

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 certification examination. The program curriculum provides a balance of didactic and technical courses that allow each student individual educational development and clinical competence opportunities. The student must achieve a minimum grade of "C" in all sonography courses or be dropped from the program.

Mission and Philosophy

The Diagnostic Medical Sonography Program, in concert with the mission and philosophy of Angelina College, is committed to providing a quality and comprehensive education in diagnostic medical 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 supported by a dedicated team of experienced faculty, sonographers, and physicians who encourage and model life-long learning in diagnostic medical sonography.

Admission Criteria for the Diagnostic Medical Sonography Program

1. Application and acceptance to Angelina College.
2. Annually attend an information session to obtain a program application and information.
3. Submit a completed application for the sonography program, completed physical health form, proof of immunizations mandated by the Texas Department of State Health Services for healthcare workers, and provide proof of current 2-year American Heart Association CPR Healthcare Provider card no later than July 15 each year for August consideration. The program must receive all requested information 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 fall semester.
4. Submit official college transcript(s) indicating completion of prerequisite courses in the application.
5. Complete all prerequisite courses with a grade of "C" or better before the 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 SonographyPrerequisite 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.
6. "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. After completing the second summer semester, applicants are ranked according to the cumulative GPA of the prerequisite courses. Twenty (20) applicants with the highest GPA in the prerequisite courses are ranked using the point value system.
 - c. The point value system is posted on the Angelina College website Sonography Program page.
7. Applicants are notified of "conditional" acceptance decisions via their student email account before fall registration.

8. A background check and random drug screening are required upon “conditional” acceptance and are conducted at the student’s expense. These are completed with agencies designated by the program.
9. The drug screening and background check must be successful/negative to receive “full” acceptance into the Sonography program.

Certification 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.

Program Learning Outcomes (PLO)

PLO 1: Demonstrate entry-level competency for employment in the profession.

PLO 2: Utilize critical thinking skills as a basis for decision-making in the role of the sonographer.

PLO 3: Employ professional judgment and discretion while adhering to the professional code of ethics and standard of practice.


PLO 4: Utilize effective oral and written communication

PLO 5: Demonstrate awareness of the need for life-long learning and professional growth.

Courses Measuring the Achievement of Program Learning Outcomes

<u>Course</u>	<u>PLO 1</u>	<u>PLO 2</u>	<u>PLO 3</u>	<u>PLO 4</u>	<u>PLO 5</u>
DMSO 2367	X				
DMSO 2342		X			
DMSO 1266			X		
DMSO 2405				X	
DMSO 2353					X

DIAGNOSTIC MEDICAL SONOGRAPHY RECOMMENDED ACADEMIC PLAN

1ST YEAR, SUMMER			Credit Hours	✓
ENGL	1301	Composition***	3	<input type="checkbox"/>
BIOL	2404	General Human Anatomy and Physiology***	4	<input type="checkbox"/>
PHYS	1305	Elementary Physics***	3	<input type="checkbox"/>
PSYC	2301	General Psychology***	3	<input type="checkbox"/>
MATH	1314	College Algebra***	3	<input type="checkbox"/>
DMSO	1210	Introduction to Sonography***	2	<input type="checkbox"/>
			18	
1ST YEAR, 1ST SEMESTER				
DMSO	1266	Practicum - Sonography	2	<input type="checkbox"/>
DMSO	1342	Intermediate Ultrasound Physics	3	<input type="checkbox"/>
STSU	0300	Student Success	0	<input type="checkbox"/>
DMSO	1351	Sectional Anatomy for Sonographers	3	<input type="checkbox"/>
DMSO	1441	Abdominopelvic Sonography	4	<input type="checkbox"/>
DMSO	1441L	Abdominopelvic Sonography LAB	0	<input type="checkbox"/>
			12	
1ST YEAR, 2ND SEMESTER				
DMSO	1267	Practicum - Sonography	2	<input type="checkbox"/>
DMSO	2353	Sonography of Superficial Structures	3	<input type="checkbox"/>
DMSO	2405	Sonography of Obstetrics/Gynecology	4	<input type="checkbox"/>
DMSO	2405L	Sonography of Obstetrics/Gynecology LAB	0	<input type="checkbox"/>
			9	
2ND YEAR, SUMMER				
DMSO	2266	Practicum - Sonography	2	<input type="checkbox"/>
2ND YEAR, 1ST SEMESTER				
DMSO	2342	Advanced Obstetric Sonography	3	<input type="checkbox"/>
DMSO	2351	Doppler Physics	3	<input type="checkbox"/>
DMSO	2351L	Doppler Physics LAB	0	<input type="checkbox"/>
DRAM	1310	Theater Appreciation	3	<input type="checkbox"/>
DMSO	2366	Practicum - Sonography	3	<input type="checkbox"/>
			12	
 Apply for Graduation				
2ND YEAR, 2ND SEMESTER				
DMSO	1455	Sonographic Pathophysiology	4	<input type="checkbox"/>
DMSO	2230	Advanced Ultrasound & Review	2	<input type="checkbox"/>
DMSO	2367	Practicum - Sonography	3	<input type="checkbox"/>
DSVT	1300	Principles of Vascular Technology	3	<input type="checkbox"/>
DSVT	1300L	Principles of Vascular Technology LAB	0	<input type="checkbox"/>
			12	
* Earned:			Associate of Applied Science in Diagnostic Medical Sonography	Total Hours
				65

***Indicates prerequisites