

DIAGNOSTIC MEDICAL SONOGRAPHY

GUIDED PATHWAY: DIAGNOSTIC MEDICAL SONOGRAPHY

For more information, visit <https://www.laredo.edu/Academic-Career-Pathways/health-sciences/aas-diagnostic-medical-sonography.html> and your academic advisor.

Program Description: The Diagnostic Medical Sonography Program (DMS) not only educates the student in a career as a Diagnostic Medical Sonographer. A diagnostic medical sonographer is a highly-skilled professional who uses specialized equipment to create sonograms of structures inside the human body and collaboratively works with radiologists and other specialized physicians to assist effectively toward a medical diagnosis.

This shows the course sequence for students interested in pursuing an Associate of Applied Science in Diagnostic Medical Sonography. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn an Associate of Applied Science (AAS) degree in Diagnostic Medical Sonography.¹

Visit [Career Pathways](#) to view guided pathways created for students who complete an AAS degree and the options for transfer. Speak with an academic advisor to choose courses that will help you to transfer to a specific university.



COLLEGE READINESS REQUIREMENTS (only for the AAS)

Enrolling in one or more courses may be necessary if assessment activities and previous academic experiences indicate a need for additional knowledge and skills:

READING & WRITING PLACEMENT	MATH PLACEMENT	ENGLISH LANGUAGE PROFICIENCY
TSI MET: YES NO IF NO, ADVISOR INSERT COURSE(S) NEEDED <input type="checkbox"/> INRW _____ <input type="checkbox"/> OTHER: _____	TSI MET: YES NO IF NO, ADVISOR INSERT COURSE(S) NEEDED <input type="checkbox"/> DEV MATH _____ <input type="checkbox"/> OTHER: _____	TSI MET: YES NO IF NO, ADVISOR INSERT COURSE(S) NEEDED <input type="checkbox"/> ESOL _____ <input type="checkbox"/> OTHER: _____

Exemptions/waivers may exist. Speak with an academic advisor regarding placement in college readiness courses and your ability to enroll in core academic coursework.

SEMESTER BY SEMESTER MAP FOR FULL-TIME STUDENTS²

D			PREREQUISITES	ACTION ITEMS
◆			BIOL 2301 – Anatomy and Physiology I (C)	<input type="checkbox"/> Meet with your advisor to confirm academic and career goals <input type="checkbox"/> Meet with your advisor to discuss applying to the Diagnostic Medical Sonography Program
◆			MATH XXX – College Math Course	
◆			ENGL 1301 – Composition I (C)	
◆			PHYSICS 1315 – Physical Science I	
◆			PHYSICS 1115 – Physical Science I Lab	
◆			DMSO 1210 – Introduction to Sonography	
TOTAL SEMESTER CREDIT HOURS: 10				
D			SEMESTER 1 (FALL)	ACTION ITEMS
◆			BIOL 2302 – Anatomy and Physiology II (C)	<input type="checkbox"/> Meet with your advisor to file an official degree plan, confirm or update your academic/career path and program of study.
◆			PHIL 2306 – Introduction to Ethics (C)	
◆			DMSO 1201 – Techniques of Medical Sonography	
◆			DMSO 1202 – Basic Ultrasound Physics	
◆			DMSO 1260 – Clinical – DMS/Sonographer and US Technician	
TOTAL SEMESTER CREDIT HOURS: 12				
D			SEMESTER 2 (SPRING)	ACTION ITEMS
◆			DMSO 1242 – Intermediate Ultrasound Physics	<input type="checkbox"/> Meet with your advisor to track your progress towards completion of program.
◆			DMSO 1341 – Abdominopelvic Sonography	
◆			DMSO 2305 – Sonography of Obstetrics/Gynecology	
◆			DMSO 1261 – Clinical – DMS/Sonographer and US Technician	
◆			DMSO 1262 – Clinical – DMS/Sonographer and US Technician	
TOTAL SEMESTER CREDIT HOURS: 2				
D			SUMMER SESSION	ACTION ITEMS
◆			DMSO 1262 – Clinical – DMS/Sonographer and US Technician	<input type="checkbox"/> Meet with your advisor to track your progress towards completion of program.
TOTAL SEMESTER CREDIT HOURS: 2				
D			SUMMER SESSION	ACTION ITEMS
◆			DMSO 1263 – Clinical – DMS/Sonographer and US Technician	<input type="checkbox"/> Meet with your advisor to track your progress towards completion of program.
TOTAL SEMESTER CREDIT HOURS: 9				
D			SEMESTER 3 (FALL)	ACTION ITEMS
◆			DSVT 1103 – Introduction to Vascular Technology	<input type="checkbox"/> Meet with your advisor to review your degree plan completion prior to graduation. <input type="checkbox"/> Meet with a career advisor for assistance in preparing for job search.
◆			DMSO 2242 – Sonography of High-Risk Obstetrics	
◆			DMSO 1355 – Sonographic Pathophysiology	
◆			DMSO 2260 - Clinical – DMS/Sonographer and US Technician	
TOTAL SEMESTER CREDIT HOURS: 11				
D			SEMESTER 4 (SPRING)	ACTION ITEMS
◆			PSYCH 2314 – Life Span Growth and Development (C)	<input type="checkbox"/> Meet with your advisor to review your degree plan completion prior to graduation.
◆			DMSO 2253 – Sonography of Superficial Structures	

◆			DMSO 2245 – Advanced Sonography Practices	<input type="checkbox"/> Meet with a career advisor for assistance in preparing for job search.
◆			DMSO 2230 – Advanced Ultrasound and Review	
◆			DMSO 2261 - Clinical – DMS/Sonographer and US Technician	
AAS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS/PATHWAY TOTAL: 60 SEMESTER CREDIT HOURS				

1. Degree plans may change in later catalogs. Be sure to consult with your advisor if you are continuing on an older degree plan.
 2. Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by Laredo College awarding the degree.
 3. Capstone Experience
- C** This course counts for the Core Curriculum at any public college or university in Texas.

Certification and Licensure Information

The Diagnostic Medical Sonography program requires that graduates take the American Registry of Radiologic Technologists in Sonography (ARRT) (S) in order to practice as a Diagnostic Medical Sonographer. In order to be eligible to sit for the national licensure exam, applicants will need to answer questions related to their alcohol/drug use, psychiatric conditions, and criminal convictions. Questions regarding eligibility for licensure in Texas should be directed to the ARRT at <https://www.art.org/pages/earn-artt-credentials/credential-options/sonography>.

Career Information

Upon passing the national licensure exam, a Diagnostic Medical Sonographer can work in a variety of settings, including acute care hospitals, long-term acute care hospitals, inpatient rehabilitation facilities, outpatient clinics (adult and pediatric populations), home health, and nursing homes.

Common Job Titles

Diagnostic Medical Sonographers

Ultrasound Technologists

Sonographers

Regional Labor Market Information

Starting salary for a new graduate is around \$60,000 a year. The average salary for a Diagnostic Medical Sonographer is \$78,000 annually, while a highly experienced Diagnostic Medical Sonographer can earn as much as \$95,000.

Source: <http://www.salary.com>

Career and labor market research tools

Bureau of Labor Statistics: <http://www.bls.gov/ooh/healthcare>; O*NET: <https://www.onetonline.org/>

Career Resources: Laredo College's career services website provides information on career exploration and employment. Click [here](#) for more information transfer resources. Students are encouraged to consult with their area of study advisor for additional career assistance. The above information is provided as a guide and reference tool for occupations related to this program. This is not a guarantee of job placement in any of these occupations after successful completion of an LC program. The common job titles listed are representative titles and are provided for career research. These are not the only occupations possible in this area of study.

Transfer Information

The Associate of Applied Science in Diagnostic Medical Sonography prepares graduates to transition into the workforce as a Diagnostic Medical Sonographer once the graduate has passed the licensure exam. DMS program graduates have other career options which require pursuit of a higher education degree. The area of study advisor can provide further information on these additional higher education options. **Guides:** The universities listed here do not constitute a Laredo College endorsement. Transfer course evaluations and determination of which courses will count toward a Bachelor's degree are made by the receiving transfer institution.

Laredo College: Bachelor of Applied Science Organizational Leadership (BASORGL)

PIMA Medical Institute: Bachelor of Science in Health Care Administration (BSHCA) <https://pmi.edu>

South Texas College: Bachelor of Applied Technology in Medical and Health Services Management (BAT-MHSM), Bachelor of Applied Science in Organizational Leadership (BAT-OL) <http://www.southtexascollege.edu>

Texas A&M International University: Bachelor of Applied Arts & Sciences (BAAS), Bachelor of Business Administration (BBA) <http://www.tamiu.edu>

Texas Tech University: Bachelor of Science in Healthcare Management (BSHM) <https://www.ttuhs.edu/health-professions/bachelor-of-science-healthcare-management/our-program.aspx>

The University of Texas MD Anderson Cancer Center: Bachelor of Science in Diagnostic Medical Sonography (BSDM)

<https://www.mdanderson.org/education-training/degrees-programs/school-of-health-professions/academics/diagnostic-medical-sonography.html>

Additional Transfer Resources: Laredo College [transfer planning guide website](#) provides information on additional colleges & universities. Students are encouraged to consult with a faculty advisor, area of study advisor, and/or their chosen transfer institution to ensure courses taken at LC will apply toward their bachelor's degree program.