



Lamar Institute of Technology
Allied Health Department

Dear Applicant:

Thank you for considering LIT's Diagnostic Medical Sonography Program for your education and career. Attached please find all necessary instructions and forms for your application to the Diagnostic Medical Sonography Program. Please follow all directions thoroughly and completely, remembering that all materials must be submitted to us on or before **April 15th**.

We look forward to receiving your credentials. If we may be of any help, please contact us at 409 839-2923 or 409 839-2924.

Sincerely,

Judy Tinsley, R.D.M.S, R.V.T, R.D.C.S, R.T.(R)

Program Director

judy.tinsley@lit.edu

PLEASE MAIL APPLICATION AND ORIGINAL TRANSCRIPTS TO:

**Lamar Institute of Technology
Diagnostic Medical Sonography Program
P.O. Box 10061
Beaumont, TX 77710**

PROCEDURES FOR ADMISSION TO THE DIAGNOSTIC MEDICAL SONOGRAPHY PROGRAM

1. Admission to Lamar University (if needed) & Lamar Institute of Technology.
2. Completion of the "Application to the Diagnostic Medical Sonography Program".
3. Must have passed all sections of the THEA, Compass or an approved alternative.
4. A copy of your SAT or ACT scores.
5. A copy of transcripts from all previous college(s) and/or technical school(s) sent to the Program Director of Diagnostic Medical Sonography.
6. All applicants are required to spend 24 hrs. observing in an ultrasound department prior to submitting the application (must be verified in writing).
7. All application forms, transcripts, and examination scores must be sent to the Program Director of Diagnostic Medical Sonography by April 15th.
8. Students enrolled in classes during the spring semester of their application to the program are responsible for submitting letters by April 15th from their instructors stating they are currently enrolled in the class and their grade in the class at that time. Points will not be awarded without this verification.
9. All applicants will be required to attend an orientation session and will be notified of the date. Following the orientation, applicants will receive written notification of admittance to the program.
10. Students not accepted will need to reapply with a new application and new transcripts.

YOU WILL BE RESPONSIBLE FOR YOUR OWN TRANSCRIPTS. THE DEPARTMENT WILL NOT FURNISH THIS INFORMATION.

REQUIREMENTS FOR ADMISSION ELIGIBILITY TO THE SONOGRAPHY PROGRAM

The number of students admitted to the program is limited. The number is determined by the Commission on Accreditation of Allied Health Education Programs and is dependent on the number of clinical sites available. *All applicants to the Diagnostic Medical Sonography Program are required to attend a DMS Program Advisory Session, dates and times will be announced on the LIT web-site.*

Prerequisites for the ATC/Advanced Technical Certificate are:

1. Associate Degree and certification in a 2-year patient care related program
2. Preadmission course SCIT 1420 Physics for Allied Health (Physics 1405 or 1407 may be substituted)
3. Current CPR
4. Current Background Screening
5. 24 hours observation in a Sonography Lab

Prerequisites for the Associate of Applied Science Degree are:

1. Preadmission courses include anatomy and physiology, physics, algebra, basic health professions skills
2. Current CPR
3. Current Background Screening
4. 24 hours observation in a Sonography Lab

MINIMUM QUALIFICATIONS

1. 800 SAT composite score, or 18 ACT composite score (or 18 hours of college credit with 2.5 GPA).
2. 2.5 GPA on all college work, including transfer, academic and technical courses.
3. Must have passed all sections of THEA, Compass, or alternative testing.

CRITERIA FOR THE SELECTION OF STUDENTS

A point value system will be utilized and students will be awarded points for the following:

1. 1/100 of SAT scores. (800 SAT = 8 pts). If you do not have a SAT score, or your score is below 800, you will be given the minimum score of 800, **only if** you have 18 hours of college credit in academic courses, i.e., English, Math, Biology, etc.
2. College GPA (2.5 GPA = 2.5 pts). The overall GPA must be **2.5** to be admitted to the program.
3. The grade point equivalent for each of the required academic courses which are completed with a grade of **C or better**, i.e., A=4, B=3, C=2. (**HUMA, ENGL, SOCI, HPRS**)
4. **8 points for A; 6 points for B in each of the following:** BIOL 2301/2101 or 2401; BIOL 2302/2102 or 2402; SCIT 1420. **No grade points for a C will be awarded.**
5. One point will be given for completion of each required academic course (pre and co-requisite courses). This includes those completed in the spring semester. (Proof of enrollment & current grade must be submitted by April 15th).
6. One point will be given for those applicants who have previous medical experience in a patient-care related field of at least one year (must have verification in writing from supervisor).
7. Two points will be given to those applicants that hold a degree/certificate in a patient-care related field (examples: CNA, EMT, LVN, Radiology, Respiratory).
8. **Extra points** will be awarded for previous completion of these courses: Medical Terminology and COSC 1301 Microcomputer Applications (A=2 or B=1, no points will be awarded for a C).

Selection of students will be based on those students with the greatest number of points.

A "D" in any of the eight required academic courses is not acceptable for admission into the sonography program.

Criminal Background Screening

All students applying to the Diagnostic Medical Sonography Program **must submit** a Criminal Background screening by April 15th. The clinical agencies used by LIT are required by the Joint Commission on Accreditation of Healthcare to ensure that personnel having contact with patients be free of any past or present criminal behavior that might jeopardize the welfare of the patient or other personnel. *To comply with this requirement the following criminal histories will disqualify an individual from consideration for admission into the Diagnostic Medical Sonography Program:*

1. Misdemeanor convictions/deferred adjudication or felony convictions/deferred adjudication involving crimes against persons (physical or sexual abuse).
2. Misdemeanor convictions/deferred adjudication related to moral turpitude (prostitution, public lewdness/exposure, etc.).
3. Felony convictions/deferred adjudication for the sale, possession, distribution, or transfer of narcotics or controlled substances.
4. Registered sex offenders.

PHYSICAL REQUIREMENTS FOR DIAGNOSTIC MEDICAL SONOGRAPHY

Because of the inherent characteristics of this profession, certain physical abilities are required.

VISUAL ACUITY

- To discern sonographic detail and colors on a video monitor and film.
- Perform necessary sonographic procedures that involve seeing and functioning in a low-light setting.
- Read protocol for sonographic procedures in the department.
- Perform data entry tasks using digital and computer terminals.

HEARING ACUITY

- Hearing must be sufficient to communicate with others.
- Hear and retain pertinent information to relay instructions.
- Hear and respond to patient questions and clinical history while processing an exam order.

SPEAKING ABILITY

- Speak clearly and loudly enough to be understood by a person in the ultrasound department or on the phone.
- Good communication skills are also necessary to maintain good interpersonal relationships with patients, peers, and Radiologist.

DIGITAL DEXTERITY

- Grasp and manipulate ultrasound transducer in order to adequately perform job function.
- Arms and hands or functional artificial limbs are essential to maintain balance to accomplish required duties and transport patients.
- Legs and feet or functional artificial limbs are essential to maintain balance to accomplish required duties and transport patients.

PHYSICAL ABILITY

- Sit or stand for the majority of a normal workday.
- Maneuver between floors of an institution.
- Pull/push portable ultrasound equipment.
- To lift and move immobile patients.

PROGRAM COSTS

Costs include tuition, books, uniforms, malpractice insurance, hepatitis B vaccine, transportation, food, and a physical before starting the fall semester each year.

DIAGNOSTIC MEDICAL SONOGRAPHY

ATC/Advanced Technical Certificate

Admission is limited to graduates of an accredited 2-year patient care Allied Health program.

This program prepares health professionals for a career as a diagnostic medical sonographer. The diagnostic medical sonographer provides patient services using medical ultrasound under the supervision of a physician responsible for the use and interpretation of ultrasound procedures. The curriculum consists of classroom, lab, and internship training. Applications are due by April 15th. Upon completion of this program, students will be eligible to take examinations for the American Registry of Diagnostic Medical Sonographers (ARDMS) certification in the specialty areas of Abdomen and OB/GYN.

DORI 0200 College Success Skills Course is an institutional requirement for all freshman students, see pg. 19 of LIT Catalog.

Pre-Enrollment:

SCIT 1420 Physics for Allied Health (physics 1405 or 1407) 3

PROGRAM OF STUDY:

FIRST YEAR (SCH/semester credit hours)

SCH Summer Semester

(1) DMSO 1110 Intro to Sonography
(3) DMSO 1351 Sonographic Sectional Anatomy
4

SCH Fall Semester

(3) DMSO 1302 Basic Ultrasound Physics
(4) DMSO 1441 Intro Abdominopelvic Sonography
(1) DMSO 1101 Techniques of Medical Sonography
(3) DMSO 1355 Sonographic Pathophysiology
11

SCH Spring Semester

(3) DMSO 1342 Intermediate Ultrasound Physics
(3) DMSO 2341 Sono Abdominopelvic Pathology
(3) DMSO 1366 Practicum I Hospital (24hrs/wk)
(4) DMSO 2405 Sonography of Obstetrics/Gyn
13

SECOND YEAR

Summer Semester

(4) DMSO 2442 Sono High Risk Obstetrics
(3) DMSO 2351 Doppler Physics
(2) DMSO 1267 Practicum II Hospital (24hrs/wk)
9

SCH Fall Semester

(2) DMSO 2230 Advanced Ultrasound & Review
(2) DMSO 2243 Advanced Ultrasound Physics
(3) DMSO 2366 Practicum III Hospital (24hrs/wk)
(1) DSVT 1103 Introduction to Vascular
8

Total Hrs. 48

DIAGNOSTIC MEDICAL SONOGRAPHY

Associate of Applied Science Degree

This program of study prepares health professionals to function in a medical office, clinic, or hospital as a medical sonographer. The diagnostic medical sonographer provides patient services using medical ultrasound under the supervision of a physician responsible for the use and interpretation of ultrasound procedures. Admission preference is given to individuals with a minimum of one year previous experience in a related health care field.

The program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) program administered by the Joint Review Committee on Education in Diagnostic Medical Sonography (JRC/DMS).

Students are accepted into the program in the fall of each year. The number of students is limited to space available in clinical agencies. Diagnostic Medical Sonography admission forms, criteria and admission procedures are available from the Diagnostic Medical Sonography Program Director by calling 409 839-2924 or 2923. Applications are due by April 15th of each year. Admission to the program is based upon academic success and past medical experiences. Applicants must pass all sections of the COMPASS, THEA, or an approved alternative. Those failing one or more sections must reapply one year later during the normal admission times.

A minimum grade of ‘C’ must be earned in all courses required for graduation listed on the degree plan. In addition, a grade point average of 2.5 must be maintained while enrolled in the program. Students successfully completing the program will be awarded the Associate of Applied Science Degree in Diagnostic Medical Sonography. Applicants may obtain additional information relating to the program by contacting 409 880-8845.

DORI 0200 College Success Skills Course is an institutional requirement, see page 19 of the LIT catalog.

- **Observation hours must be completed prior to applying to the program.**
- **Recommended previous medical background.**
- **Recommended completion of all Pre and Co-enrollment courses before applying to the program.**

Pre-Enrollment Courses:

		<u>Semester Credit Hours</u>
* MATH	1332 or 1314 College Algebra	3
* BIOL	2301/2101 or 2401 Anatomy & Physiology	4
* BIOL	2302/2102 or 2402 Anatomy & Physiology	4
* SCIT	1420 Physics for Allied Health (physics 1405 or 1407)	4
*HPRS	1204 Basic Health Professions Skills I	2

Co-Enrollment Courses:

ENGL	1301 Composition	3
HUMA	1315 Arts & Society	3
SOCI	1301 Intro to Sociology or PSYC 2301 General Psychology	<u>3</u>
Total hrs.		26hrs

**Denotes courses that must be completed before applying to the Cardiac Sonography Program (Pre-enrollment).*

Associate of Applied Science degree

DIAGNOSTIC MEDICAL SONOGRAPHY

PROGRAM OF STUDY:

FIRST YEAR (SCH/semester credit hours)

SCH Summer Semester I 12 week semester

(3) DMSO 1351 Sono Sectional Anatomy

(1) DMSO 1110 Intro to Sonography

4

SCH Fall Semester

(3) DMSO 1302 Basic Ultrasound Physics

(4) DMSO 1441 Intro Abdominopelvic Sonography

(1) DMSO 1101 Techniques of Medical Sono

(3) DMSO 1355 Sonographic Pathophysiology

11

SCH Spring Semester

(3) DMSO 1342 Intermediate Ultrasound Physics

(3) DMSO 2341 Sono Abdominopelvic Pathology

(3) DMSO 1366 Practicum I (24hrs/wk)

(4) DMSO 2405 Sonography of Obstetrics/Gyn

13

SECOND YEAR

SCH Summer Semester 12 week semester

(4) DMSO 2442 Sono High Risk Obstetrics

(3) DMSO 2351 Doppler Physics

(2) DMSO 1267 Practicum II Hospital (24hrs/wk)

9

SCH Fall Semester

(2) DMSO 2230 Advanced Ultrasound and Review

(2) DMSO 2243 Advanced Ultrasound Physics

(3) DMSO 2366 Practicum III Hospital (24hrs/wk)

(1) DSVT 1103 Introduction to Vascular

8

71 Total Credit Hours

Application for Admission to the Diagnostic Medical Sonography Program

I am applying to: ATC Associate of Applied Science

Date _____ Social Security # _____ Telephone _____

Name _____ Email _____

Mailing Address _____ City _____ State _____ Zip _____

Residence Address _____ City _____ State _____ Zip _____

Name, address, and telephone of person to be notified in case of emergency _____

List of Technical Schools or Colleges Attended Dates From/To Degree/Certificate Awarded

Date you wish to enter the Diagnostic Medical Sonography Program _____

Previous medical experience: Yes No

Explain _____

Have you ever been convicted of a crime other than a minor traffic violation? Yes NO

Explain _____

I have read and understand the 'Physical Requirements' for the duties of a Diagnostic Medical Sonographer.

Yes No

I can certify that the above information is true and correct.

Signature

NOTE: This form and all other information requested must be received in the office of the Director by April 15th to be considered for admission.

Lamar Institute of Technology is an equal opportunity/affirmative action educational institution and employer. Students, faculty and staff members are selected without regard to their race, color, creed, sex, age, handicap or national origin, consistent with the Assurance of compliance with Title IX of the Education Amendments of 1972, as amended; Section 504 of the Rehabilitation Act of 1973. Inquiries concerning application of these regulations may be referred to the Director of Human Resources.