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 just before **April 1st**. Please be sure to send all requested information together in one packet.
We look forward to receiving your application. If we may be of any help, please contact us at 409 839-2923 or 409 839-2924 and be sure to attend a Sonography advisement/information session as soon as possible.

Sincerely,
Judy Tinsley, R.D.M.S, R.V.T, R.D.C.S, R.T.(R)
Program Director
jatinsley@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:
Apply for admission to Lamar Institute of Technology if not already enrolled (see the website for details).

Send to the Department of Allied Health Sonography Program:
1. Completed "Application for Admission to the Diagnostic Medical Sonography Program" page 7.
2. A copy of your SAT or ACT scores if taken.
3. A copy of transcripts from all previous college(s) and/or technical school(s) **including** LIT transcripts.
4. Proof of completion of 24 hours observation time in an ultrasound department (must be verified in writing).
5. Background check completed. Go the www.CertifiedBackground.com and enter the code LC23.
6. Copy of a current Healthcare Provider CPR card (**MUST** be Healthcare Provider).
7. All application forms, transcripts, and examination scores must be sent to the Program Director of Diagnostic Medical Sonography by April 1^{tst}.
8. Students enrolled in classes during the spring semester of their application to the program are responsible for submitting letters from their instructors by April 1st 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 and interested individuals are required to attend at least one orientation/information session**. These sessions are held during every semester and go over all the information for the program. Please see the LIT website (www.lit.edu) for information on dates, times and location.
10. Applicants should receive written notification of admittance to the program by the first week in May.
11. Students not accepted will need to reapply with a new application and new transcripts the next year.

YOU WILL BE RESPONSIBLE FOR YOUR TRANSCRIPTS. THE DEPARTMENT WILL NOT FURNISH THIS INFORMATION. Be sure your application packet is complete and make copies for you to keep.

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 Sonography advisement/information Session, dates and times will be listed for each semester on the LIT web-site (www.lit.edu).***

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 1320 Physics for Allied Health (Physics 1405 or 1407 may be substituted)**
3. **Current Healthcare Provider CPR card**
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 I and II, physics (SCIT 1320), algebra, basic health professions skills (HPRS 1204 or CNA classes and license).**
2. **Current Healthcare Provider CPR card**
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 a 2.5 or higher GPA).
2. 2.5 GPA on **all** college work, including transfer, academic and technical courses.

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. Overall College GPA is doubled (2.5 GPA X 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, MATH)**
4. **8 points for A; 6 points for B** (no grade points for a C will be awarded) **in each of the following: BIOL 2301/2101 or 2401; BIOL 2302/2102 or 2402; SCIT 1320; HPRS 1204 (or for a CNA class).**
5. One point will be given for completion of each required academic course (pre and co-requisite courses). This DOES NOT include current in-progress classes at the time of application to the program. Proof of enrollment & current grade must be submitted in your application packet by the April 1st deadline.
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 submit verification in writing from a supervisor stating length of employment and duties.
7. Two points will be given to those applicants that hold a current license/certificate in a patient-care related field (examples: CNA, EMT, LVN, Radiology, Respiratory).
8. **Extra points** will be awarded for the completion of **HITT 1305** Medical Terminology (A=2 or B=1, no points will be awarded for a C).
9. Grade points will be averaged for repeated classes.

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 programs.

Criminal Background Screening

All students applying to the Diagnostic Cardiac Sonography Program **must submit** a Criminal Background screening by April 1st. Go to www.certifiedbackground.com and enter code LC23.

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 only.

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 1st. 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 transferring less than 15 SCH.

Pre-Enrollment:

SCIT 1320	Physics for Allied Health (physics 1405 or1407)	3:3:0

PROGRAM OF STUDY:

FIRST YEAR:

Summer Semester (12 weeks)

DMSO 1302 Basic Ultrasound Physic	3:3:0
DMSO 1110 Intro to Sonography	1:1:1
DMSO 1251 Sonographic Sectional Anatomy	2:2:1
	6:6:2

Fall Semester

DMSO 1342 Intermediate Ultrasound Physics	3:3:0
DMSO 1341 Abdominopelvic Sonography	3:2:2
DMSO 1101 Techniques of Medical Sonography	1:0:4
DMSO 1355 Sonographic Pathophysiology	3:3:0
	10:8:6

Spring Semester

DMSO 2351 Doppler Physics	3:3:0
DMSO 2341 Abdominopelvic Pathology	3:3:1
DMSO 1366 Practicum I Hospital (24hrs/wk)	3:0:24
DMSO 2405 Sonography of Obstetrics/Gyn	4:3:2
	13:9:27

SECOND YEAR

Summer Semester (12 weeks)

DMSO 2442 Sono High Risk Obstetrics	4:3:2
DMSO 1267 Practicum II Hospital (24hrs/wk)	2:0:20
	6:3:22

Fall Semester

DMSO 2230 Advanced Ultrasound & Review	2:2:1
DMSO 2266 Practicum III Hospital (20hrs/wk)	2:0:20
DSVT 1103 Introduction to Vascular	1:1:1
	5:3:22

Total Hrs. 43

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 summer 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/Cardiac Sonography Program Director by calling 409 839-2924 or 2923. Applications are due by April 1st of each year. Admission to the program is based upon academic success and past medical experiences. Applicants not accepted into the program 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 or by attending the Sonography advisement/information sessions.

- **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.**

DORI 0200 College Success Skills Course is an institutional requirement for all freshman students transferring less than 15 SCH and must be taken during the students first semester at LIT.

Pre-Enrollment Courses:			Semester Credit Hours
***** MATH	1314	College Algebra	3
(MATH 1314 must be taken before SCIT 1320)			
* BIOL	2301/2101 or 2401	Anatomy & Physiology	4
* BIOL	2302/2102 or 2402	Anatomy & Physiology	4
* SCIT	1320	Physics for Allied Health (physics 1405 or 1407)	3
(MATH 1314 is a prerequisite class for SCIT 1320)			
*HPRS	1204	Basic Health Professions Skills I	2
*ENGL	1301	Composition	3

Co-Enrollment Courses:			
HUMA	1315	Arts & Society	3
SOCI	1301	Intro to Sociology or PSYC 2301 General Psychology	3
		Total SCH	**25**

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

Associate of Applied Science degree

DIAGNOSTIC MEDICAL SONOGRAPHY

PROGRAM OF STUDY:

FIRST YEAR:

Summer Semester (12 weeks)

DMSO 1302 Basic Ultrasound Physics	3:3:0
DMSO 1251 Sono Sectional Anatomy	2:2:1
DMSO 1110 Intro to Sonography	1:1:1
	6:6:2

Spring Semester

DMSO 2351 Doppler Physics	3:3:0
DMSO 2341 Abdominopelvic Pathology	3:3:1
DMSO 1366 Practicum I (24hrs/wk)	3:0:24
DMSO 2405 Sonography of Obstetrics/Gyn	4:3:2
	13:9:27

Fall Semester

DMSO 1342 Intermediate Ultrasound Physics	3:3:0
DMSO 1341 Abdominopelvic Sonography	3:2:2
DMSO 1101 Techniques of Medical Sono	1:0:4
DMSO 1355 Sonographic Pathophysiology	3:3:0
	10:8:6

SECOND YEAR

Summer Semester (12 weeks)

DMSO 2442 Sono High Risk Obstetrics	4:3:2
DMSO 1267 Practicum II Hospital (24hrs/wk)	2:0:20
	6:3:22

Fall Semester

DMSO 2230 Advanced Ultrasound and Review	2:2:1
DMSO 2266 Practicum III Hospital (20hrs/wk)	2:0:20
DSVT 1103 Introduction to Vascular	1:1:1
	5:3:22

65 Total Semester Credit Hours (SCH)

Lamar Institute of Technology
Application for Admission to the Diagnostic Medical Sonography Program

I am applying to: ATC ☐ Associate of Applied Science ☐

Date_____ Social Security or LIT T # _____ 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: To be considered for admission into the program this form and all other requested information must be received by the Sonography department no later than April 1st. Students should receive notification about their acceptance into the program during the 1st week in May.

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.

*Revised **2015***