LAMAR INSTITUTE OF TECHNOLOGY

Dear Applicant:

You have indicated an interest in pursuing a career in **Radiologic Technology**. Enclosed are all the necessary instructions and forms for your application into the Radiologic Technology program at Lamar Institute of Technology.

The LIT Radiologic Technology Program's Mission is to prepare students for entry-level positions in hospitals, clinics, and physician's offices performing procedures that produce images of patients for diagnosis by physicians. A graduate of this two-year program is awarded an Associate of Applied Science Degree.

The LIT Radiologic Technology program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Dr., Suite 2850 Chicago, IL, 60606-3182, (312)704-5300, www.jrcert.org, and graduates apply for admission for the certification exam administered by the American Registry of Radiologic Technologists.

Program Effectiveness Data is available on the Radiologic Technology program web page which is accessed through www.lit.edu. http://www.lit.edu/depts/allied/PROGRAM_EFFECTIVENESS_DATA.pdf

We look forward to receiving your credentials. If I may be of any help, please contact me at (409) 241-9829 or e-mail me at babarrow@lit.edu.

Sincerely,

Brenda Barrow, M.Ed., R.T.
Program Director

Procedures For Application, Selection, And Admission To
Allied Health Programs

Please follow all directions thoroughly and completely. All materials must be submitted to us during January and February. The final day to submit your application is the last business day of February. A committee will review all applications during the months of March & April and applicants will be notified by May 1st. Finalists will be required to attend an Orientation for the program they were accepted into before the end of the Spring semester. We look forward to receiving your application. If we may be of any help, please contact us at 409-247-5069 or 409-247-4866.

***Please note**: Sending your official transcripts and acceptance to LIT is required and the first step of the application process. Acceptance to LIT does not guarantee acceptance to the Allied Health program. Applications without evidence of this first step will not be reviewed.*

Application

1. Apply to Lamar Institute of Technology (LIT) using www.applytexas.org.
2. Have your official high school transcript and all college transcripts sent to LIT Admissions at P.O. Box 10043 Beaumont, TX 77710 or email to Admissions@lit.edu.
3. Students accepted to LIT will be issued a T-Number (student identification number) which is required to apply to the programs.
4. College GPA must be 2.5 or higher.
5. Grades in all prerequisite coursework must be a "C" or higher.
6. Grades from all science courses must be within the last five years.
7. All pre-requisite coursework must be completed before applying to Allied Health programs.
8. Grade replacements will be recorded as the highest grade earned.
9. Successfully complete DORI 0200 or meet approved exemptions prior to acceptance into the program.
10. Pass all sections of Texas Success Initiative (TSI), an approved alternative test, or be exempted from the test.
11. Register and take the TEAS exam.
    a. Register through the ATI website at atitesting.com for the ***TEAS for Allied Health*** OR ***TEAS for Nursing Students*** as specified by the professional program.
    b. Special accommodations should be made with Special Populations and Testing Center before registering with ATI to ensure resources are available.
        i. Special Populations: specialpopulations@lit.edu 409-951-5708
        ii. Testing Center: testingcenter@lit.edu 409-247-4978
    c. Exam fee $107.00
    d. One exam transcript (exam score) will be provided to the school of the student's choice with the purchase of the ATI TEAS exam. Additional transcripts (exam scores) may be purchased and sent to additional schools. See the ATI website for the cost of additional transcripts (atitesting.com).
    e. *Important Note:* Check the testing registration schedule and avoid waiting until the end of the testing period to ensure testing times are available prior to the admission deadline. Admission packets will not be accepted past the deadline.
    f. Test must be administered face-to-face in a testing center. Online proctored tests are not accepted.

To apply for the **Radiologic Technology** program, you will follow all instructions in the initial instruction packet. Additional points will be awarded for the following:

a. passing BIOL 2302/2102
b. passing MATH 1314 College Algebra
c. completion of all of the required general education courses before application (ENGL, MATH, SOCI/PSYC, HUMA, BIOL I, HPRS 1204)

Terms And Conditions for Admission to Allied Health Programs

Applicant's Responsibilities
The applicant must maintain a professional and civil demeanor throughout the application process. The applicant must keep his/her mailing address current with the LIT Department of Allied Health Office as well as the LIT Admissions and Records Office.

Selective Admission
Admission to individual Allied Health programs is selective with the number of students admitted based on facility constraints. Admission to LIT does not guarantee admission to specific programs. Each program utilizes a competitive and selective admissions process to choose the most qualified applicants.

Selection of Applicants is Based On
1. Overall college GPA
2. Science GPA
3. Number of Repeated Courses
4. TEAS Scores
5. Completion of additional listed courses and co-requisite courses within the degree plan.

Incomplete/Late Applications
Incomplete applications or applications submitted after the deadline will not be considered. Admission information is subject to change and is not a contract.

Conditional Acceptance
Acceptance into Allied Health Programs is conditional, pending completion of all required documentation by the stated deadline. The following will be due after acceptance into the program:

1. Physical and Immunizations: Allied Health students must complete an annual physical and provide record of the following immunizations before providing direct patient care. If records are not available, immunity can be confirmed by serologic testing.
   a. Documented history of varicella disease or received varicella immunization (2 doses)
   b. Two doses of measles-containing vaccine, preferably the MMR vaccine
   c. Tetanus vaccine with the past ten (10) years
   d. Hepatitis B vaccine series
   e. Documented current tuberculin skin test that is negative for Tuberculosis or TB questionnaire and clearance of chest x-ray in accordance with CDC policy (refer to Healthcare Program deadline for completion).

2. Health History and Physical: The Allied Health program will provide the Health History and Physical format required upon acceptance.

3. Criminal Background Screening: Individual Program Accreditors require Clinical Affiliates of LIT to ensure that healthcare providers having contact with patients are free of any past or present criminal behavior that might jeopardize the welfare of the patient or personnel.

Conditional acceptance to an Allied Health program is forfeited if requirements are not submitted by the stated deadline.

All applicants must submit to a Criminal Background screening via CastleBranch, a background check service that allows students to purchase their own background check. This screening must be completed after acceptance to the program, but before beginning Allied Health classes. Results of the background check are posted on the Castlebranch.com website in a secure, tamper-proof environment, where the student, as well as

LIT can view the background check. The committee will access the records online; therefore, students are not required to submit a paper copy of the background check.

The clinical agencies used by LIT are required by various accrediting bodies 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 personnel.

The following criminal histories will prohibit a student from enrolling in any of our Allied Health clinical courses.

a. Misdemeanor conviction/deferred adjudication or felony conviction/deferred adjudication involving crimes against persons (physical or sexual abuse).
b. Misdemeanor convictions/deferred adjudication related to normal turpitude (prostitution, public lewdness/exposures, etc.).
c. Felony convictions/deferred adjudication for the sale, possession, distribution, or transfer of narcotics or controlled substances.
d. Registered sex offenders.
e. Allied Health programs also adhere to State Legislation that may hinder someone from working in the Healthcare industry.

Note: Students not accepted into one of the programs must submit a new application for consideration for admission the following year. If the student has taken additional courses from another college, they will also need to submit new transcripts with the new application.

Below are links to each individual program's additional requirements and a letter from the Program Director. Please review these for each of the programs you are interested in before filling out the application.

Below you will find specific requirements and information for the Radiologic Technology Program. These are in addition to what is listed in the original instructions.

PHYSICAL REQUIREMENTS FOR RADIOLOGIC TECHNOLOGY

The following are essential physical requirements for any Radiologic Technologist as complied from observations of a wide variety of job experiences and input from Radiology Department managers from many medical facilities.

1. VISUAL ACUITY

- Distinguish whether beam is perpendicular, horizontal or angled through center of anatomical area being x-rayed to the center of image receptor.
- Perform necessary radiographic procedures that involve placement of needles, catheters, etc., into proper anatomic structure of patient.
- Perform necessary radiographic procedures in rooms that require dim lighting. (i.e. fluoroscopic or darkrooms)
- Must have adequate or corrected vision to monitor a patient from at least 15 feet.
- Read protocol for radiography procedures in the department.
- Perform data entry tasks using digital and computer terminals.

2. HEARING ACUITY

- Hear and retain pertinent information to relay instructions.
- Hear and respond to patient questions and clinical history while processing a request.
- Respond to patients in situations where the patient is not facing the student.
- Effectively respond immediately to emergency situations:
  - Monitor patient for impaired breathing.

- Respond to verbal orders from physician.
- Respond to codes over hospital intercoms (i.e. fire, child abduction, cardiac arrest…).

3. SPEAKING ABILITY

- Speak clearly and loudly enough to be understood by a person in the radiology department, surgery, or emergency room.
- Good verbal skills are also necessary to maintain good interpersonal relationships with patients and peers.
- Speak clearly and loudly enough to be understood.
- Speak English clearly and precisely.

4. DIGITAL DEXTERITY

- Grasp and manipulate small objects required to perform job functions:
  - Draw up contrast media and other medications into syringe.
  - Handle and manipulate lead markers.
  - Assist patient in dressing and undressing.
  - Use computer keyboard.
- Operate a variety of x-ray equipment.
- Upper and lower extremities or functional artificial limbs are essential to maintain balance to accomplish required duties and transport patients.

5. PHYSICAL ABILITY

- Stand for majority of a normal work day.
- Maneuver through congested area(s) or unit(s) to perform positioning procedures and transport patients.
- Raise arm(s) while maintaining balance when positioning a patient, reaching over table, and adjusting x-ray tube.
- Must be able to reach x-ray tube and fluoroscopy tube.
- Pull/push medical equipment and adjust x-ray tubes to standard source image distance.
- Transfer patients to and from radiology department.
- Size must allow free movement:
  - Within small control booth.
  - Move quickly during patient emergencies.
  - Squeeze in small areas while performing portable radiography procedures.
- Use stairs in case of emergency.

PROGRAM GOALS AND LEARNING OUTCOMES

1. Graduates will demonstrate clinical competence.
   - Students will select appropriate technical factors.
   - Students will apply proper positioning skills.
   - Students will demonstrate proper patient care and education.
2. Students will develop effective communication skills.
   - Students will develop appropriate communication skills in a laboratory course.
   - Students will develop appropriate communication skills in a lecture course.
3. Students will use critical thinking and problem-solving skills.
   - Students will exhibit critical thinking and problem-solving skills on a written test/assignment.
   - Students will exhibit critical thinking and problem-solving skills on a task analysis.
4. The program will satisfy the community's need for qualified radiographers.
   - Students will pass the ARRT exam.
   - Students will complete the program.
   - Students will be adequately prepared to be entry-level technologists.

ASSOCIATE OF APPLIED SCIENCE IN RADIOLOGIC TECHNOLOGY

Pre-requisites

BIOL 2301 Anatomy & Physiology I	3:3:0
BIOL 2101 Anatomy & Physiology Lab I	1:0:2
HPRS 1204 Intro to Health Professions	2:1:2
MATH 1332 Contemporary Math I	3:3:0 or MATH 1314 College Algebra 3:3:0
	9:7:4

General Education

DORI 0200 College Success Skills+	2:2:0
ENGL 1301 Composition	3:3:0
SOCI 1301 Introduction to Sociology	3:3:0 or PSYC 2301 General Psychology 3:3:0
HUMA 1315 Fine Arts Appreciation	3:3:0
	11:11:0

FIRST YEAR

Summer II

RADR 1201 Introduction to Radiology	2:2:0
RADR 1203 Patient Care	2:1:4
	4:3:4

Fall

RADR 1313 Principles of Rad. Imaging I	3:3:0
RADR 1360 Radiographic Clinical I	3:0:18
RADR 1411 Basic Radiographic Procedures	4:3:4
	10:6:22

Spring

RADR 1361 Radiographic Clinical II	3:0:18
RADR 2217 Radiographic Pathology	2:1:2
RADR 2309 Radiographic Imaging Equipment	3:3:0
RADR 2401 Intermediate Rad. Procedures	4:3:2
	12:7:22

SECOND YEAR

Summer 3

RADR 1266 Radiographic Practicum III	2:0:20
	2:0:20

Fall

RADR 2305 Principles of Rad. Imaging II	3:3:0
RADR 2333 Advanced Medical Imaging	3:2:2
RADR 2360 Radiographic Clinical IV	3:0:18
	9:5:20

Spring

RADR 2313 Radiation Biology & Protection	3:3:0
RADR 2335 Radiologic Technology Seminar	3:3:0
RADR 2361 Radiologic Clinical V	3:0:18
	9:6:18

+DORI 0200 is an institutional requirement (unless exempt)