LAMAR
INSTITUTE OF
TECHNOLOGY

Dear Applicant:

You have indicated an interest in pursuing a career in **Radiologic Technology**. Enclosed are all of the necessary instructions and forms for your application into the Radiologic Technology program at Lamar Institute of Technology. All material must be submitted to us on or before **April 15th.**

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)880-8848 or e-mail me at babarrow@lit.edu.

Sincerely,

Brenda Barrow

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

Please mail application and original college transcripts (including LIT transcripts) to:
Lamar Institute of Technology
Radiologic Technology Program
P.O. Box 10061
Beaumont, Texas 77710

Or hand deliver to office 232 Multi-Purpose Center

Revised 1-2016

ALLIED HEALTH ADMISSION REQUIREMENTS

GPA

Each Allied Health Program has specific requirements for minimum GPA. The cumulative GPA is used which includes all college coursework including transfer, academic and technical courses.

Health Status

Health status will be considered only as it relates to the individual's ability to safely carry out the normal assignments associated with the program of study and the individual's long term health.

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.

- Documented history of varicella or received varicella immunization (2 doses)
- Documented history of two doses of measles-containing vaccine, preferably the MMR vaccine
- Documented history of tetanus vaccine with the past ten (10) years
- Documented history of Hepatitis B vaccine series
- Documented **current** tuberculin skin test that is negative for Tuberculosis or TB questionnaire and clearance of chest x-ray in accordance with CDC policy (to be completed in Summer II semester of program)

Technical Standards/Essential Functions

Allied Health programs establish technical standards and essential functions to insure that students have the abilities required to participate and potentially be successful in all aspects of the respective programs. Some of the technical standards may be met with reasonable accommodations. If accommodations are needed, it is the student's responsibility to comply with the procedures set forth by the LIT Office of Special Populations. If a student is unable to meet all of the outlined standards, he/she may be withdrawn from the program. The following are categories of essential functions that Allied Health students should demonstrate to be successful: observation, communication, motor, intellectual, and behavioral and social attributes.

Observation: Ability to participate actively in all demonstrations, laboratory exercises, and clinical experiences in the professional program component and to assess and comprehend the condition of all patients assigned to him/her for examination, diagnosis, and treatment. Such observation and information usually requires functional use of visual, auditory, and somatic sensations.

Communication: Ability to communicate effectively in English using verbal, non-verbal and written formats with faculty, other students, patients, families and all members of the healthcare team.

Motor: Sufficient motor ability to execute the movement and skills required for safe and effective care and emergency treatment.

Intellectual: Ability to collect, interpret and integrate information and make decisions.

Behavioral and Social Attributes: Possess the emotional health and stability required for full utilization of the student's intellectual abilities, the exercise of good judgment, the prompt completion of

all academic and patient care responsibilities and the development of mature, sensitive, and effective relationships with clients and other members of the health care team.

Possess the ability to tolerate taxing workloads, function effectively under stress, adapt to changing environments, display flexibility, and learn to function in the face of uncertainties inherent in clinical settings with patients.
Possess compassion, integrity, concern for others, and motivation.
Possess the ability to demonstrate professional behaviors.
Some Allied Health programs have very specific technical standards that will be outlined in that program's application section.

Criminal Background Screenings

All students admitted to any Allied Health Program will be screened for a criminal background. All students having contact with patients must be free of any past or present criminal behavior that might jeopardize the welfare of the patient or personnel.
To comply with this requirement, the following criminal histories may disqualify an individual from consideration for admission into any clinical facilities used by the program, denial of license by the Texas Medical Board for Medical Radiologic Technologist, and/or denial of admission to sit for the national registry exam by the American Registry of Radiologic Technologists.

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

Terms and Conditions for Admission

Selective Admission

Admission to individual Allied Health Programs is selective and the number of admitted students is based on facilities constraints. Admission to Lamar Institute of Technology **does not** guarantee admission to specific programs. Each program has a selective admissions process to choose the most qualified applicants.

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 all deadline and documentation requirements. These include but are not limited to a satisfactory criminal background check and documentation of immunizations. If any stated requirements in an individual's acceptance letter are not met, the position will be forfeit.

Applicant's Responsibilities

The applicant must maintain a professional demeanor throughout the application process. The applicant must keep his/her mailing address current with the Allied Health Office as well as the Lamar Institute of Technology Admissions and Records Office.

PROCEDURES FOR ADMISSION TO THE RADIOLOGIC TECHNOLOGY PROGRAM

1. Admission to Lamar Institute of Technology.
2. Must have met all requirements of Texas Success Initiative (TSI), an approved alternative test, or be exempted from the test.
3. A copy of your SAT or ACT scores (if available).
4. Completion of the "Application to the Radiologic Technology Program."
5. A copy of college(s) transcripts (including LIT) sent to the Program Director of Radiologic Technology.
6. All applicants must volunteer at least **twenty-four** hours in a **hospital** radiology department **before April 15th**. Students must get a letter from department where they volunteered to verify volunteer hours. Students must give an LIT Volunteer Evaluation form to the department technologist for the technologist to evaluate their performance. The student will also describe their experience on a second form. Volunteer hours cannot be older than two years.
7. Written notice of acceptance or non-acceptance into the program by May 15th.
8. Students will be encouraged to attend an orientation session which will be held shortly after April 15th.

MINIMUM QUALIFICATIONS

1. 2.50 GPA on **all** college work, including transfer, academic and technical courses.
2. Must have passed **all** sections of Texas Success Initiative (TSI) an approved alternative test, or be exempted from the test.
3. 24 hours of observation obtained in a **Hospital Radiology Department** verified in writing by appropriate personnel within 2 years of admission date. These hours must be complete by April 15th.
4. Completed LIT Volunteer Evaluation form describing your experience in the hospital.

CRITERIA FOR THE SELECTION OF STUDENTS

The number of students admitted to the program is limited. The number is determined by the Joint Review Committee on Education in Radiologic Technology and may vary with the number of affiliates available.

1. 1/100 of SAT Reading and Math score (SAT 800 = 8 pts) or 1/100 ACT x 50. 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 12 hours of college credit in academic courses, i.e., English, Math, Biology lecture, etc. with at least a 2.50 GPA.
2. College GPA (2.50 GPA = 2.50pts). The overall GPA must be **2.50** 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.
4. One point will be given for each required academic course in progress during the spring semester. (Proof of enrollment and current grade must be submitted by the application deadline of April 15th).
5. Two points for BIOL 2302/2102 with a "C" or better. This course will be required if you plan on continuing your education in a Medical Imaging related field.
6. MATH 1314 College Algebra will be required if you plan on continuing your education in a Medical Imaging related field. For this reason two additional points will be given to students who take MATH 1314 instead of MATH 1332 Contemporary Mathematics.
7. One point for attendance at one of the designated orientation sessions.

"D" in any of the eight required academic courses is not acceptable for the radiology program.
Selection of students will be based on those with the greatest number of points.

CRIMINIAL BACKGROUND SCREENING

All students admitted to Radiologic Technology Program will be screened for a Criminal Background as discussed in the Allied Health section of this application packet. This will be done by the Radiology Program Director as part of the acceptance process with the applicant's written permission.

RECOMMENDED PROGRAM OF STUDY FOR RADIOLOGIC TECHNOLOGY

DORI 0200 College Success Skills
All students must either take this course or meet approved exemption. Grade points for this course are NOT included in the selection process.

Pre-Requisite Courses (must be completed before starting Practicum)
BIOL 2301/2101-Anatomy and Physiology I (4sch)
HPRS 1201-Intro. to Health Professions (2sch)
MATH 1332-Contemporary Math (3sch) or MATH 1314 College Algebra (3sch)

Required Academic Courses
ENGL 1301-Composition I (3sch)
HUMA 1315-Fine Art Appreciation (3sch)
SOCI 1301 Introduction to Sociology or PSYC 2301 Introduction to Psychology (3sch)

FIRST YEAR RADIOLOGY COURSES

Summer Session II
RADR 1309-Intro. to Rad. & Pt. Care (3sch)

Fall Semester
RADR 1313-Prin. Of Rad. Imaging I(3sch)
RADR 1411-Basic Rad. Proc. (4sch)
RADR 1366-Practicum I(3sch)

Spring Semester
RADR 2401-Inter. Rad. Proc. (4sch)
RADR 2309-Imaging Equip. (3sch)
RADR 1367-Rad. Practicum II (3sch)
RADR 2217-Rad. Pathology (2sch)

SECOND YEAR RADIOLOGY COURSES

Summer Session
RADR 1266-Rad. Practicum III (2sch)

Fall Semester
RADR 2333-Adv. Medical Imaging (3sch)
RADR 2305-Princ. of Rad. Imaging (3sch)
RADR 2366-Practicum IV (3sch)

Spring Semester
RADR 2335-Rad. Tech. Seminar (3sch)
RADR 2313-Rad. Biology & Protection(3sch)
RADR 2367-Rad. Practicum V (3sch)

COST
Cost includes tuition, books, uniforms, malpractice insurance, vaccinations, transportation, food, and a physical before starting the fall semester each year. Additional fees in the final semester will include graduation, state license, and national registry.

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 film.
   - 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.
  - Process film.
  - 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

Graduates will demonstrate clinical competence.

- Students will select appropriate technical factors

- Students will apply proper positioning skills
- Students will demonstrate proper patient care
- Students will utilize proper radiation protection

Students will develop effective communication skills

- Students will demonstrate appropriate written communication skills
- Students will demonstrate appropriate verbal communication skills

Students will use critical thinking and problem solving skills.

- Students will exhibit critical thinking and problem solving skills

Students will demonstrate the ability to apply professional ethics and serve as a model of professional conduct.

- Students will apply professional ethics
- Students will model professional conduct

The program will satisfy the community's need for qualified radiographers.

- Students will complete the program
- Students will pass the ARRT exam
- Students will be adequately prepared to be entry level technologists

APPLICATION FOR ADMISSION
ALLIED HEALTH AND SCIENCES PROGRAMS
RADIOLOGIC TECHNOLOIGY

Lamar Institute of Technology
A member of the Texas State University System

Personal Contact Information

Date:	_____	T Number:	_____
Name:	_____	e-mail address:	_____
Phone No:	_____	Date of Birth:	_____

Address		**Permanent Mailing Address if different**	
Street:	_____	Street:	_____
City:	_____	City:	_____
State, Zip:	_____	State, Zip:	_____

For admission to clinical sites, Texas Medical Board Radiologic Technologist license, and American Registry Radiologic Technologists national registry exam:

1. Have you ever had misdemeanor conviction/deferred adjudication or felony conviction/deferred adjudication involving crimes against persons? _____

If yes, explain._____

2. Have you ever been denied or surrendered any license or certification or had any certification revoked, cancelled, or suspended? _____

If yes, explain._____

3. Have you ever pled nolo contendere or been convicted of any crime other than a minor traffic violation? _____

If yes, explain._____

4. Have you ever attended any other Radiologic Technology or Allied Health program? If so, list name_____
Year attended _____ Reason for withdrawal _____

5. Do you have any medical condition which may limit you in performing the duties of a health care professional? _____

If yes, explain._____

I hereby certify the information contained in this application is true and complete to the best of my knowledge. I understand any misrepresentation or falsification of information is cause for denial of admission to any Allied Health Program or expulsion from Lamar Institute of Technology. I understand that information contained in this application will be read by faculty and/or staff of Lamar Institute of Technology Allied Health admissions personnel.

_____ _____

Signature of Applicant Date

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.

Lamar Institute of Technology is a member of the Texas State University System.

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Lamar Institute of Technology
Radiologic Technology
Technologist Volunteer Evaluation Form

Name _____ Date _____

Did the prospective student

Dress professionally	☐ Yes	☐ No
Observe exams in emergency room and main department	☐ Yes	☐ No
Follow the cell phone policy	☐ Yes	☐ No

Did the prospective student exhibit a genuine interest in the field of radiology? ☐ Yes ☐ No
Did the student spend all of their volunteer hours in diagnostic radiology? ☐ Yes ☐ No
If no, what percentage was spent in diagnostic imaging? _____ %

Observation of imaging procedures

4 Asks to participate or involves oneself without being asked
3 Will participate if asked
2 Does not seem to want to participate
1 Does not participate even when asked

Interaction with staff

4 Outgoing; promotes interaction
3 Pleasant; polite; but initiates little interaction
2 Quiet; does not initiate interaction
1 Withdrawn

Overall initiative and motivation

4 Highly motivated; energetic; self-starter
3 Motivated; Hard-worker
2 Slow mover; not self-motivated
1 Sits a lot; Not rad tech material

Comments
_____
_____
_____
_____

Signature of department technologist _____ Date _____

Return to LIT Radiology Program
P.O. Box 10061
Beaumont, Texas 77710

Revised 1-2016

Lamar Institute of Technology
Radiologic Technology
Student Volunteer Evaluation Form

Name _____ Date _____

Where did you do your volunteer hours?
_____

What shift did you observe? ☐7a-3p ☐ 3p-11p ☐ Other _____ (check all that apply)

In the space provided describe some of the exams you observed as well as what you learned during your volunteer hours.

_____

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