Dear Prospective Radiologic Technology Program Applicant,

Please visit the Odessa College website to review the college catalog, course schedules, and important student resources such as financial aid and housing. The Odessa College Radiologic Technology Program website also provides detailed program information and extensive resources to guide you through the application process.

If you have any questions after reviewing these resources, please contact:

- **Mrs. Liliana Ramirez**, Program Director
  WHSB 431 Email: lramirez@odessa.edu | Phone: (432) 335-6449
- **Mrs. Vicki Hughes**, Clinical Instructor
  WHSB 432 Email: vhughes@odessa.edu | Phone: (432) 335-6822

The selection process for the Odessa College Radiologic Technology Program is highly competitive, only 18 students are admitted each year. The applicant should review and complete the requirements for Odessa College admission as soon as possible. Applicants who have completed all required prerequisite courses and have a grade point average of approximately 3.0 or higher are more likely to earn the points necessary to advance to the next stage of consideration.

All required application paperwork must be submitted no later than **April 30**. Thank you for considering our program. We look forward to further communication.

Radiologic Technology Program
Odessa College
201 West University Boulevard
Wood Health and Science Building
radtech@odessa.edu
Odessa, Texas 79764

Odessa College does not discriminate in regard to sex, race, color, age, ethnic/national origin, religion/creed, marital status, veteran status, or disability.

DEPARTMENTAL MISSION, PURPOSE, PHILOSOPHY & GOALS

A. Department's Mission Statement:
The mission of the Radiologic Technology Program offering an Associate of Applied Science Degree at Odessa College is to provide an excellent environment for students to gain the educational experiences and skills necessary to enter and/or remain employable in the entry-level position within the field of radiologic technology, to become lifelong learners, and to be an integral part of their medical community.

B. Philosophy:
The faculty of the Radiologic Technology Program believes the students within this program will become an integral part of the community at large as well as care givers within the medical community. These students must possess not only technical skills and critical-thinking skills, but also excellent interpersonal communication skills. These skills will enable them to work effectively and efficiently with administrations, physicians, co-workers, and patients within the medical community and will prepare them for leadership roles within the community at large.

C. Accreditation:
The radiography program is accredited by the Joint Review Committee on Education in Radiologic
Technology (JRCERT)
20 N. Wacker Drive. Suite 2850
Chicago, IL 60606-3182
(312) 704-5300
E-mail: mail@jrcert.org
Website: www.jrcert.org

The program's current award is 8 years. General program accreditation information and the current accreditation award letter can be found here: JRCERT website

The Odessa College Radiologic Technology Program's Program Effectiveness Data can be found on the JRCERT website JRCERT website

D. Goals:
1. Students will demonstrate clinical competency.
2. Students will demonstrate effective communication skills.
3. Students will demonstrate critical thinking skills.

E. Student Learning Outcomes:
1.1 Students will accurately demonstrate proper positioning.
1.2 Students will accurately determine central ray location.
2.1 Students will demonstrate effective written communication skills.
2.2 Students will demonstrate effective oral communication skills.
3.1 Students will modify routine imaging parameters for trauma exams.
3.2 Students will assess images for accuracy and correction, if necessary.

Application Requirements:

- High school graduate or equivalent.
- Complete requirements for Odessa College admission (application, transcripts, testing, etc.)
- College GPA of 2.5 or higher. (3.0 or higher recommended)
- Prerequisite courses must be completed or in the process of completing during the spring semester in which the student applies **(all required courses must be completed with a grade of "C" or higher; transfer courses with grades below "C" will not be accepted).**
- All required application paperwork submitted no later than **April 30**.
  - Program application
  - Copy of HESI exam results **(acceptable scores determined by the program faculty (75 or above on each section recommended) may be taken twice in any application period, but must wait 30 days between attempts)**
  - Copy of all required completed immunization record
  - Three (3) completed character references using departmental approved form (on website) **(forms must be mailed or emailed by the person completing the reference for the applicant; reference forms mailed by the applicant, hand delivered letters brought by the applicant and references from family members will *NOT* be accepted)**

Prerequisite Core Courses:

- BIOL 2401 Anatomy & Physiology I & BIOL 2402 Anatomy & Physiology II **(Maximum number of allowable attempts to achieve a grade of "C" or higher is 3 per class. Courses must have been completed within the last 5 years)**
- ENGL 1301 – Composition I
- MATH 1314 – College Algebra
- PSYC 2314 – Lifespan Growth & Development
- PSYC 1300 – Learning Frameworks

RADR 1201 Introduction to Radiography:

RADR 1201 is the only radiologic technology course open to all students. The course provides an introduction to the radiography profession, including the role and responsibilities of the radiographer and the importance of serving as a patient advocate. RADR 1201 is a required course in the Radiologic Technology degree plan. The course is offered each Spring in either an online or face-to-face format. It is also offered during Summer II term in a face-to-face format.

Program Admission Test Requirement:

The HESI is required for admission to the program **(acceptable scores are determined by the program faculty (75 or above on each section recommended) may be taken twice in any application period, but must wait 30 days between attempts)**. Reservations and requirements to take the test at Odessa College may be made by contacting the Testing Center . Scores must be submitted to the Radiologic Technology Program faculty for advisement and recommendations.

Program Admission Point Determination:

- Admission exam score
- Academic record (GPA; A&P I and II, & Math)
- 3 reference forms (available on website)
- Interview score (selection for interview is based on preliminary score totals)

Admission Interview:
Applicants who earn the highest preliminary score on the point evaluation form will be invited to participate in an interview. A letter must also be submitted at the time of the scheduled interview

Final Selected Applicants
Applicants who earn the highest final scores based on the point evaluation form following the interview will be invited to join the new program cohort. **(final selection will be based solely on GPA and interview performance)**
Final selected applicants will be notified by email and must confirm their acceptance of the offer

Clinical Readiness Requirements
Prior to entering the practicum portion of the program, students are required to complete Clinical Readiness Paperwork. Failure to complete requirements will preclude the student from participating in the practicum experience; therefore, the student would be unable to complete the program.
Note: After admission to the program, all students are required to maintain a policy of health and accident insurance. Liability insurance is also required and is included in regular college fees for each clinical or practicum.

Criminal Background Check:
Applicants are required to be of good moral character. A criminal background check is required for all students entering our program and the fee is the student's responsibility.

According to the ARRT Pre-Ethics Review:
- Have you ever been charged with or convicted of a misdemeanor or felony? (This includes court convictions and military court-martials.) These include:
  - Charges or convictions – including those that were stayed, withheld or deferred, set aside, or suspended
  - Any plea of guilty, Alford plea, or plea of no contest (nolo contendere)
  - Court conditions applied to your charge – including court supervision, probation, or pretrial diversion
  - Traffic violations charged as misdemeanors or felonies
  - Traffic violations that involved drugs or alcohol
- Offenses and convictions that do not need to be reported include:
  - Offenses and convictions that occurred before you turned 18 and that were processed in juvenile court
  - Speeding and parking tickets that weren't charged as misdemeanors or felonies and that didn't involve drugs or alcohol
  - Charges that were dismissed with no court conditions required
  - Court records that were sealed or expunged (if you do not have court documents that prove your case was sealed or expunged, the charge must be reported)
- Has a regulatory authority or certification board (other than ARRT) ever done one or more of the following?
  - Denied, revoked, or suspended your professional license, permit, registration, or certification?
  - Placed you on probation, under consent agreement or under consent order?

- Subjected you to any conditions or disciplinary actions? Have you ever been suspended, dismissed, or expelled from an educational program you attended to meet ARRT certification and registration requirements?

- Have you ever been suspended, dismissed, or expelled from an educational program you attended to meet ARRT certification and registration requirements?

If an applicant has ever been convicted of a crime, they should contact both the Texas Medical Board @ Texas Medical Board and the American Registry of Radiologic Technologists (ARRT) @ ARRT. The applicant must complete the necessary process for both organizations to determine if they will be eligible to sit for the national certification examination administered by the ARRT and apply for state licensure. The decision regarding eligibility can be a lengthy process, up to 2 years; therefore, the applicant should submit the required documentation as quickly as possible.

Students who are unable to participate in clinical practicums due to a conviction cannot complete the program and therefore are not eligible for admission. Similarly, applicants who are ineligible to sit for the ARRT national examination are also not eligible for program entry. When applicable, written documentation confirming eligibility for clinical participation and for taking the ARRT exam must be submitted to the program before admission.

If a student enrolled in the program were convicted of a crime, the process listed above would have to be completed. The consequences of a conviction would depend on the ARRT ruling, Texas Administrative Code 41.225, Texas Health and Safety Code 250.006, the Texas Medical Board – General Medical Radiologic Technologists (GMRT) program, and the clinical affiliates of the program.

Minimum Required Vaccinations and Acceptable Evidence of Immunization

Students in health career programs must meet immunization requirements set by state law, Odessa College, and/or clinical agencies. Proof of the following is required before program admission:

1. **Tetanus/Diphtheria/Pertussis (Tdap):** Current within the last 10 years.
2. **Hepatitis B:** Complete series of injections required before starting clinical rotations in the Fall.
3. **Rubella:** (part of the MMR vaccine)
4. **Mumps:** (part of the MMR vaccine)
5. **Rubeola (Measles):** Two vaccines required if born on or after January 1, 1957; one vaccine if born before this date. Vaccines must be given after the first birthday (usually MMR or sometimes MR).
6. **Varicella (Chickenpox):** Two vaccines, or documentation of prior disease plus one vaccine.

Note: Instead of vaccine dates for Hepatitis B, Rubella, Rubeola, Mumps, or Varicella, students may provide lab evidence of immunity through positive antibody titers. These results must be submitted to the Program Director's office.

Required Physical Examination
All students must complete a physical examination before entering the program, including documentation of required vaccinations and a TB test. Students must also undergo a drug screen scheduled by the instructor. A failed drug screen will result in immediate dismissal from the program with no option for re-entry. Students are responsible for all costs associated with the physical examination, drug screen, vaccinations, and TB test.

CPR Certification Requirements
All students must maintain a current Basic Life Support (BLS) certification that is American Heart Association (AHA) compliant throughout the Radiologic Technology program. Students who do not yet have CPR certification should wait until program acceptance, as the faculty arranges CPR training for accepted students.

Students who already hold CPR certification must provide documentation of a current BLS certification and are responsible for maintaining certification throughout the program. If a certification expires, the student will be prohibited from participating in clinicals until certification has been renewed.

Any missed clinical time due to an expired BLS certification must be made up at the instructor's discretion and will be recorded as unplanned absences.

Health and Accident Insurance Requirement
Students must provide proof of health and accident insurance before beginning clinical rotations in the fall semester. For information about available insurance options for Odessa College students visit Odessa College Student Services. Health and accident insurance must be maintained for the duration of the program.

Student Professional Liability Insurance Requirement
Professional liability insurance is mandatory and is included in the college fee schedule.

Length of the Program:
The program begins during the second summer session in July and spans 22 months, regardless of whether general education courses have been completed prior to admission. Students will complete approximately 1,500 hours of clinical training during the program.

Clinical Obligations:
Students are required to complete scheduled clinical rotations in Odessa, Midland, Andrews, Monahans, Fort Stockton, and Pecos. These rotations may include days, evenings, and/or weekend assignments. For a complete and updated list of the Odessa College Radiologic Technology Program JRCERT clinical sites visit JRCERT.

Grading System:
All Radiologic Technology courses are graded on the following scale:

A = 92.5-100
B = 83.5-92.4
C = 74.5-83.4
74.4 or below – unable to continue to the program

Program Reinstatement (For students who voluntarily left the program; all others must reapply)

Students seeking to reenter the program must contact the program director during the semester before their intended return to obtain information on testing requirements and space availability.

Student Pregnancy

The Nuclear Regulatory Commission's (NRC's) regulations on radiation protection are specified in 10 CFR, Part 20, "Standards for Protection Against Radiation"; and Section 20, 1208, "Dose to an Embryo/Fetus," and requires licensees to "ensure that the dose to an embryo/fetus during the entire pregnancy, due to occupational exposure of a declared pregnant woman, does not exceed 0.5 rem (5 mSv). Section 20, 1208 also requires licensees to "make efforts to avoid substantial variation above a uniform monthly exposure rate to a declared pregnant woman."

10 CFR, Part 20, 100: Declared pregnant woman (student) means a woman who has voluntarily informed the licensee, in writing, of her pregnancy and the estimated date of conception. The declaration remains in effect until the declared pregnant woman withdraws the declaration in writing or is no longer pregnant.

10 CFR, Part 20, 1502, "Conditions Requiring Individual Monitoring of External and Internal Occupational Dose," requires licensees to monitor the occupational dose to a declared pregnant woman, using an individual monitoring device, if it is likely that the declared pregnant woman will receive, from external sources, a deep dose equivalent in excess of 0.1 rem (1 mSv). In addition, according to paragraph (e) of 10 CFR, Part 20, 2106, "Records of Individual Monitoring Results," the licensee must maintain records of dose to an embryo/fetus if monitoring was required, and the records of dose to the embryo/fetus must be kept with the records of dose to the declared pregnant woman. The declaration of pregnancy must be kept on file, but may be maintained separately from the dose records.

A copy of the NRC Regulatory Guide 8.13, "Instruction Concerning Prenatal Radiation Exposure" and the NRC Regulatory Guide 8.29 are provided to the student in the appendices of the Program Student Handbook, and the applicant may access the information via the Internet at: NRC Regulatory Guide 8.13: Instruction Concerning Prenatal Radiation Exposure

A pregnant student/applicant should read the NRC Regulatory Guide 8.13. In accordance with the information provided and the recommendations provided in NCRP #116, the student/applicant is requested to 8 use the form letter included in the Guide for declaring her pregnancy and the estimated date of conception, in writing. At that time, specific assistance will be provided to the declared pregnant student to assist her in providing the best protection for her unborn child.

A student does not have to declare her pregnancy. The student may declare her pregnancy and later withdraw her declaration. In accordance with Title IX, the pregnant student has 3 options available to her:

1) continue the clinical component of the program without modification
2) continue the clinical component of the program with appropriate clinical modifications or reassignments, or
3) request a leave of absence and pursue reinstatement according to program and institutional policies in compliance with Title IX regulations.

Costs:

Tuition:	Approximately $6028 (for in-district tuition) $8492 (for out of district)
Books:	Approximately $945-$1165 (may vary depending on where books are purchased)
Clinical Costs:	Liability insurance $12/clinical course – total $60 (included in tuition/fees)
	Drug Screen - approximately $45-$50 (completed at instructor's direction during first summer session)
	Background Check – approximately $54
	Vaccinations may range from $50-$250, depending on those necessary to complete clinical assignments
	Clinical Uniform – ceil blue scrub top and black scrub pants, black shoes, patches - $200-$350
	Physical - $25-$50
	TB Skin Test - $20-$35 (must be completed annually)
	CPR - $40
ARRT National Exam:	$225 – paid directly to ARRT
MRT State License (Texas residents)	$80 paid to Texas Medical Board
Fingerprints for MRT Application	Approximately $40
Jurisprudence Exam for MRT Application	Approximately $34 per attempt
Transportation:	Will vary depending on type of vehicle but will be approximately $200-500/month

License, Certification, or Registry

Graduates of the Odessa College Radiologic Technology Program are eligible to take the National Registry Examination administered by the American Registry of Radiologic Technologists (ARRT) to become certified as a Radiologic Technologist (R). Annual registration with the ARRT is required to maintain certification.

Graduates are also eligible for state certification through the Texas Medical Board as a General Medical Radiologic Technologist (GMRT). Upon successful completion of the program, students may apply for a temporary MRT certificate, valid for one year. After passing the ARRT examination, the temporary certificate must be updated to a permanent MRT certificate.

Job Description:

The Radiologic Technologist is a health care professional who possesses the knowledge and skills to utilize diagnostic level x-radiation and associated instrumentation in the production of medical images of the human body, and in the performance of radiologic procedures. The radiographer provides basic nursing and medical care and assists with emergency patient treatment where indicated.

Salary:
The approximate starting salary for a radiologic technologist is $25–$31 per hour or higher, not including shift or weekend differentials. Salary and benefits vary by facility.

Employment Opportunities:
Career advancement in radiologic technology may include roles such as Senior Radiographer, Department Supervisor, Chief Radiographer, and Radiology Manager. Opportunities also exist in radiologic technology education, which generally requires a Bachelor of Science degree and at least three years of field experience. Further advancement is possible through Master's or Doctoral degrees in Allied Health.

Additional career options include specialties in Nuclear Medicine, Medical Sonography, Cardiac and Vascular Interventional Technology, CT, MRI, Radiation Therapy (Oncology), and Radiation Dosimetry, which require additional training. Related positions are also available in sales and service within business, industry, and government at both state and national levels.

Major Physical Tasks of Job Performance and Clinical Education
1. **Transport** patients within the department and in the hospital at large.
2. **Assist** with patient movement and perform direct positioning for radiographic projections and procedures.
3. **Provide for** the patient's physical safety and well-being while s/he is under the technologist's jurisdiction.
4. **Retrieve, manipulate, & operate** radiologic equipment and adjunct instruments for imaging.
5. **Prepare and use** procedural materials such as: sterile drugs, contrast media, sterile trays, instruments, linens, and other patient care items. 6. Retrieve radiographic imaging products, and dispatch patient and radiographic records.
7. **Evaluate** image quality for technical accuracy and procedural determinations.
8. **Provide** basic life support services when needed.
9. **Secure and assist** with advanced life support services, where indicated.
10. **Coordinate** the provision of fluoroscopic and contrast media examinations, and provide physician assistance.
11. **Perform** surgical and bedside radiography and operate related instrumentation.
12. **Work** with various radiographic units within the radiology department of JRCERT recognized affiliated clinical sites.
13. **Perform** basic equipment quality control tests ensuring proper equipment maintenance and performance

Odessa College Radiologic Technology Program Contingency Plan

In the event that classroom and/or clinical instruction is disrupted due to a catastrophic event, the program will follow Odessa College's Contingency Plan. Faculty and students will be notified of the activation of the Contingency Plan via the institution Wrangler Alerts and/or emails. Program faculty will maintain communication with students at all times, via cell phones, emails, or Zoom, WebEx, or Blackboard Collaborate. The faculty will also maintain communication with all the institution and all clinical sites as needed.

The student will need access to a working computer, with camera and speaker, internet access, and a webcam. Student confidentiality will be maintained at all times. One-on-one meetings with instructors may be scheduled as necessary.

Per institution guidelines, the program didactic face-to-face courses will transition to an online format using Blackboard Collaborate. The lab component of courses may be completed using video recordings, case-study analysis, or virtual tours.

If clinical instruction is disrupted for the event, courses will be front-loaded, with the clinical rotations completed when facilities are available. Clinical schedules may be adjusted to allow for completion of required competencies.

Any personal protective equipment (PPE) necessary for completion of courses on campus or at the clinical facilities will be provided by the institution and program. Restrictions or limitations may apply with the availability of PPE and facility policies