



**EASTERN
ARIZONA
COLLEGE**

**Associate of Applied Science Degree
In Radiologic Technology**

***Radiologic Technologist
Applicant
Information Guide***

Eastern Arizona College
Thatcher, AZ 85552-0769
(928) 428-8349



EASTERN ARIZONA COLLEGE

Radiologic Technologist Applicant Information Guide

PROGRAM DESCRIPTION:

This program prepares the student for an entry-level position as a radiologic technologist. Radiologic technologists are highly specialized members of the health care team who provide patient care services using x-ray machines under the direction of a physician. Radiologic technologists have knowledge of anatomy, physiology, physics, positioning, and x-ray techniques necessary to create diagnostic images. Knowledge of record keeping, image critique, and equipment maintenance is also part of the job. Careers in the field of diagnostic imaging are found in a multitude of places such as hospitals, imaging centers, clinics, and doctors' offices. There is a potential to continue in other areas such as Computed Tomography, Magnetic Resonance Imaging, and Medical Dosimetry. This program will prepare students for the American Registry of Radiologic Technologist examinations:

Emphasis is on basic informatics, working in the healthcare system, knowledge, and technical skills to thrive in today's complex world. Graduates learn what is needed to manage and improve the quality of information needed within the healthcare delivery system. Entry into the Radiologic Technology program requires prior admission. For admission procedures to the Radiologic Technology Program, contact Adam Bingham, (928) 428-8349.

DEGREE REQUIREMENTS

A total of 79 credits are required for the Associate of Applied Science degree in Radiologic Sciences. The program does not necessitate completion in a two-year span; however, all credits must be completed in sequence to apply for graduation. General education courses may be taken concurrently with the specified semester RAD courses or prior to admittance into the radiologic technologist program. RAD courses must be taken in sequence. A grade of "C" or better in RAD and "C" or better in general education courses are required.

PROGRAM REQUIREMENTS

Students intending to pursue a degree in radiologic technology should expect to spend a minimum of 45 hours per week for each RAD course to include skills labs, clinicals, and study. If additional pre- or co-requisite classes are needed, additional time is strongly encouraged for successful completion. Clinical experiences consist of 10-hour days, 3-4 days per week which will include out-of-town rotations. Students are responsible for their own transportation and travel expenses and living accommodations. **All RAD**

courses must be passed with a “C” or better and all pre and co-requisites must be passed with the minimum of a “C” for students to remain in the program. It is therefore important that additional activities and employment be limited.

During clinical experiences radiologic technologist students must be able to perform essential physical activities. At a minimum, students must be able to lift 50 pounds, stand for several hours, perform bending activities, hear and differentiate heart and breath sounds, and identify different skin tones. At times, the clinical experience may induce significant mental and emotional stress as students undertake responsibilities and duties that impact clients’ lives. Students should be prepared to demonstrate rational and professional behavior under demanding conditions. Individuals should carefully consider the mental and physical demands of the program prior to applying.

COMPUTER REQUIREMENTS

Class materials are offered in multiple formats: Microsoft Word, PowerPoint, Excel and Adobe Acrobat. Computer labs are available on all 3 campuses (Globe, Payson and Thatcher) for students who do not have computers or the recommended programs. A small fee may be required for printing and labs may be reserved for class use or testing.

Canvas: <https://www.eac.edu/ctl/canvas.shtm>

Canvas Support: canvassupport@eac.edu

The Point: CoursePoint+: <http://thepoint.lww.com/>

The Point Help Center: 1-800-468-1128 or techsupp@lww.com

COMMUNICATION

Students should expect communication by email through EAC’s Monster Mail and/or Canvas for class announcements, study materials, and communication needing student follow-up. Students are responsible to check their email daily.

LIBRARY

Online resources including Full Text Peer Reviewed Journals may be accessed off campus using your student monster-ID and password. Contact the EAC Alumni Library for updated passwords at <https://eac.libguides.com/libraryhome/>.

PROGRAM OUTCOME GOALS

1. 80% of all students that begin in the first RAD course, after acceptance into the program, will complete the program within five (5) semesters, which is 100% of the usual timeframe for the radiologic technologist program.
2. The most recent annual pass rate will be at least 90% for all first-time test-takers from January 1 to December 31 every year.
3. 90% of all graduate respondents will report employment as radiologic technologist within twelve (12) months of graduation.

ADMISSION SELECTION

Selection for admission is competitive and based upon completion of all admission requirements including **pre requisites with grades of “C” or better**. Anonymity is assured by removing all candidate identifying factors before submission to the Radiologic Admissions and Review Committee. Completion of pre-/co-requisites, health care work experience, pre and co-requisite grades, reading, and Entrance exam scores improve applicant ranking but do not guarantee acceptance. Top ranking applicants are accepted into the program. A list of alternates may also be selected. These candidates maintain their alternate status

through the first week of classes pending opening admission slots. **Alternates not chosen and applicants not selected into the Radiologic Technologist Program must reapply.**

APPLICATION REQUIREMENTS

- Completed Radiologic Technologist Program Application for Admission
- EAC Reading Competency Test (Accuplacer NEXT GEN score) of 263 or greater
- TEAS Assessment Entrance Exam with a minimum composite score of proficient. For information about testing dates and times call 928-428-8396 for the Thatcher campus, (928) 425-8481 for Globe and (928) 468-8039 for the Payson campus. There is a limit to the TEAS testing, two times per semester, and four times within a year. The TEAS test must be dated within a year of application.
- Study guides are available in the bookstore, online or at the Nursing Education Center.
- Background check with a valid DPS level one fingerprint clearance card **AND** a background check processed through Corporate Screening - www.VerifyStudents.com use code EAST95EC
- Applicants with a healthcare related certificate or degree from an accredited institution can receive a point towards admission.
- Applicants who complete all of their pre requisite courses at Eastern Arizona College will receive one bonus point towards admission.
- Attach an essay 250-500 word double spaced describing why a career in healthcare is desirable to you. Do not put your name on the essay.

ADMISSION REQUIREMENTS

(Documentation of admission requirements are due in the program directors office by 2 business days prior to the start of the semester or the applicant's admission slot is forfeited.)

- Meet admission requirements to Eastern Arizona College.
- Current American Heart Association CPR Basic Life Support (BLS) card.
- Complete Immunization Record and Radiologic Technologist Physical Form *
- Urine drug screen through www.VerifyStudents.com (Corporate Screening) use code EAST95EC
- Level One Fingerprint Clearance Card.
- Transcript verification of the following **prerequisites with grades of "C" or better:**
 - CHM 130 or higher
 - MAT 154, MAT 181 or MAT 220
 - BIO 201 Anatomy & Physiology I
 - BIO 202 Anatomy & Physiology II

****Waivers may be available-EAC staff will assist students to work through the clinical partner to request waivers. Note that not all clinical partners have a defined process for requesting an exemption.***

BACKGROUND CLEARANCE: All Eastern Arizona College healthcare students are required to complete a criminal background check and drug screen. Previous background checks and drug screens are not valid. The college will send information on how and when to obtain these requirements. Enrollment is contingent on passing disposition on the background check. Once admitted, students have a duty to immediately report to the Program Director any arrests, convictions, placement on exclusion databases, suspension, removal of the DPS Fingerprint Clearance Card or removal or discipline imposed on any professional license or certificate at any time during enrollment in the program. Any student who loses eligibility to participate in clinical experiences due to inability to meet program requirements will be withdrawn from the program.

At all times during enrollment students must obtain and maintain BOTH a valid Level One Fingerprint Clearance Card and a passing disposition on the Certified Background check. Admission requirements related to background checks are subject to change as mandated by clinical experience partners.

NOTE: An application for ARRT registration by examination may not be eligible for licensure if the applicant has one or more felony convictions and who has not received an absolute discharge from the sentences for all felony convictions three or more years before the date of filing an application. The ARRT ethic violations committee will review each instance and approval is conditional on this committee.

TRANSFERS AND ADVANCED PLACEMENT

Students transferring credits from other colleges must have **official** transcripts sent directly to the EAC Records Office, Eastern Arizona College, 615 N. Stadium Avenue, Thatcher, AZ 85552 for evaluation. Students transferring credits from out-of-state schools must also submit course descriptions. Receipt of transcripts may take up to 2-3 weeks. Verification of receipt can be made by calling the Records Office at (928) 428-8270. If transcripts have not been received, it is the applicant's responsibility to contact the former institution(s). Following transcript evaluation, information will be available to the Nursing Office and a copy will be sent to the applicant. Please allow two to three weeks for this process. Only credits from regionally accredited institutions identified in the EAC Academic Catalog will be evaluated. Transfer credit may be awarded for courses at the freshman level (100 level) or higher with grades of "C" or better.

Transcripts to EAC from other colleges must be on the student official course record at Eastern Arizona College to receive points.

A student transferring to another institution must be aware that credits earned from Eastern Arizona College are transferable to other colleges and universities at the discretion of the receiving institutions. It is beneficial for students to complete the Associate of Applied Science (AAS) Radiologic Sciences degree, as most universities will accept this degree. If a student desires to transfer prior to completion of the AAS Radiologic Sciences degree, courses will be evaluated individually by the accepting institution.

PROGRESSION/RETENTION IN THE PROGRAM

Students advance through the radiologic technologist program when each RAD course is successfully completed (indicated with RAD in Course Sequencing). General study courses may be taken at any time but must be completed prior to taking the ARRT registry. All RAD courses must be passed with a grade of "C" or better and "C" or better in general education courses are required.

Theory and clinical components of each course are interdependent. If a student fails to meet competency in either, both components must be repeated.

COURSE SEQUENCE FOR ACCEPTED APPLICANTS



Radiologic Technologist-21301 Associate of Applied Science

Recommended Course Sequencing – 2024-2025

Course	Requirement Filled	Cr	Notes
Prerequisite Courses			
BIO 201 Human Anatomy and Physiology I	Prerequisite	4	
BIO 202 Human Anatomy and Physiology II	Prerequisite	4	
CHM 130 Fundamental Chemistry	Prerequisite	4	<i>CHM 138 can be substituted</i>
MAT 154 Precalculus Algebra	Prerequisite	4	
Current BLS card through American Heart Association Completed immunizations or an approved exemption form Criminal background check and DPS fingerprint clearance card			
Total Credits		16	
Fall – 1st Semester			
BUA 160 Medical Law and Ethics	Core Curriculum	2	
ENG 101 Written Communications I	General Education	3	
RAD 101 Radiographic Procedures I	Core Curriculum	3	Admission to Rad Tech Program Required
RAD 105 Radiation Biology	Core Curriculum	3	Admission to Rad Tech Program Required
RAD 136 Radiation Production and Expos...	Core Curriculum	2	Admission to Rad Tech Program Required
Total Credits		13	
Spring – 2nd Semester			
ENG 102 Written Communications II	General Education	3	ENG 101 Prerequisite
RAD 102 Radiographic Procedures II	Core Curriculum	3	Spring only, RAD 101 Prerequisite
RAD 181 Clinical Practicum I	Core Curriculum	8	Spring only, RAD 101 Prerequisite
Total Credits		14	
Summer – 3rd Semester			
RAD 182 Clinical Practicum II	Core Curriculum	10	Summer only, RAD 181 Prerequisite
RAD 200 Radiographic Film Critique	Core Curriculum	2	Summer only, RAD 102 Prerequisite
Total Credits		12	
Fall – 4th Semester			
PSY 101 Introduction to Psychology	General Education	3	
RAD 210 Radiation Physics and Equipment	Core Curriculum	2	Fall only, RAD 200 Prerequisite
RAD 281 Clinical Practicum III	Core Curriculum	8	Fall only, RAD 182 Prerequisite
Total Credits		13	
Spring – 5th Semester			
RAD 230 Radiologic Pathology	Core Curriculum	3	Spring only, RAD 210 Prerequisite
RAD 282 Radiologic Advanced Procedures	Core Curriculum	8	Spring only, RAD 281 Prerequisite
Total Credits		11	

Total Degree Credits	79
Total Curriculum Requirements (Core)	58
Total Related Curriculum	0
Total General Education	21
Total Elective	0

Additional requirements to obtain this degree:

- All radiology courses must be completed with a grade of "C" or better.
- Complete at least 16 credits at Eastern Arizona College
- Attain a cumulative grade point average of 2.00 or higher.
- The student must file a Graduation Petition at least 60 calendar days prior to the end of the semester in which graduation is anticipated.
- Remove any indebtedness to the College.

Last Updated: July 5, 2023

ADDITIONAL STUDENT INFORMATION

Radiologic Technology is a difficult course of study. Students intending to pursue it should expect to spend a minimum of 45 hours per week in RAD and co-requisite classes, skills labs, clinicals, and study. Students may participate in class activities via interactive television (ITV). Clinical experiences consist of 10 hours per day, assignments which will include out-of-town rotations depending on the semester. (Students are responsible for their own transportation and travel expenses and living accommodations.) **All RAD courses must be passed with a “C” or better and all pre and co-requisites must be passed with the minimum of a “C” for students to remain in the program.** It is therefore important that additional activities and employment be limited.

Select student information (such as immunizations, CPR certification, etc.) may be shared with clinical partners to meet regulatory requirements.

COST ESTIMATE FOR THE EAC RADIOLOGIC TECHNOLOGIST PROGRAM

Tuition for full time tuition x 5 semesters; (Arizona resident)	
(4 semesters of \$810.00/semester, and one semester of \$900/semester)	\$6750.00
Radiologic Technologist program Fee (\$600 per semester X 5 semesters)	\$2500.00
Textbooks estimate	\$1500.00
Corporate Screening Costs	\$ 104.00
Uniforms, clinical supplies and clinical travel and lodging expenses (estimate)	<u>\$1500.00</u>
Total estimated cost of EAC Radiologic Technologist program	\$12,354.00

Fees may vary by location and the above is only an estimate and may change

DIRECTIONS FOR APPLICATION

Completed applications (with required documentation of all application requirements) must be submitted to the Eastern Arizona College Math Science building, room 205 (834 N. College Avenue, Thatcher, AZ 85552-0769) by 5:00 PM **May 10th** for August admission. **No late or incomplete applications are accepted.** Digital Applications can be submitted to adam.bingham@eac.edu, Mail applications can be mailed to Radiologic Technology Program, 615 N. Stadium Ave, Thatcher AZ 85552-0769



EASTERN ARIZONA COLLEGE

Radiologic Technologist Program Application for Admission

Due by May 10th for August Admission Consideration

Name _____ EAC ID # _____ Date of Birth _____

Mailing Address _____ City _____ State _____ Zip _____

Home phone: _____ Cell Phone: _____ E-mail _____

Submit copies of documentation for the following requirements

1. ATI TEAS test date taken _____ (Provide copy of test results)
2. EAC reading placement test score _____ Date Taken _____
3. American Heart Association CPR Basic Life Support certification card, Expiration Date _____
4. Background Screening at www.VerifyStudents.com (use code EAST95EC)
5. DPS Level 1 Fingerprint Clearance Card.
6. Attached essay.
7. Prerequisite courses or equivalent CLEP tests with at least a grade of "C"
 - CHM 130 or higher Grade ____ Date Completed ____ College _____
 - MAT 154 or MAT 181 or MAT 220 Grade ____ Date Completed ____ College _____
 - BIO 201 Anatomy & Physiology I Grade ____ Date Completed ____ College _____
 - BIO 202 Anatomy & Physiology II Grade ____ Date Completed ____ College _____

8. What is your current address: _____

Co-requisite courses

Course Number and Title	Grade	Date Completed or check box <input type="checkbox"/> if In Progress
HCE 112 Medical Terminology	_____	<input type="checkbox"/> College _____
PSY 101 Introduction to Psychology	_____	<input type="checkbox"/> College _____
ENG 101 Written Communications I	_____	<input type="checkbox"/> College _____
ENG 102 Written Communications II	_____	<input type="checkbox"/> College _____
COM 201 Public Speaking	_____	<input type="checkbox"/> College _____

I certify that all the information provided by me is true, complete and accurate. I am responsible for provision of all requested information. Failure to provide proper documentation may adversely affect my evaluation. I acknowledge that admission into the program is conditional upon successfully completing all requirements.

Applicant's Signature

Date

**Submit Application and documentation to: Allied Health Secretary Office,
Eastern Arizona College, 834 N. College Ave Thatcher, AZ 85552**

Applications can be submitted digitally to: adam.bingham@eac.edu

Eastern Arizona College is in compliance with Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, and the Rehabilitation Act of 1973, does not discriminate on the basis of race, creed, color, national origin, disability, age, or sex in any of its policies, practices, or procedures. This includes but is not limited to admissions, employment, financial aid, educational services, programs, and activities.



EASTERN ARIZONA COLLEGE

Physical Examination

This form must be completed by a licensed health care provider (MD, DO, NP or PA).
Please read and complete all information.

Student Applicant Contact Information

Student Applicant Name: _____ Student Applicant I.D. #: A _____

Street Address: _____ Home Phone: _____

City, State ZIP: _____ Work Phone: _____

Email: _____

Cell Phone: _____

Health Declaration

Radiologic Technology students are required to be able to meet and/or perform the *Technical Standards Essential for Radiologic Technology Practice*. These technical standards include a number of physical activities that students must perform in the skills lab and clinical portion of the program, with or without reasonable accommodation. These activities may include lifting patients, performing physical activities for several hours at a time without rest, obtaining readings from medical instruments, placing and obtaining objects from areas above the shoulders and below the waist, receiving verbal instructions, and communicating effectively with members of the health care team, patients, and families. The clinical experience also places students under considerable mental and emotional stress as they undertake responsibilities and duties impacting patients' lives. Students must be able to demonstrate rational and appropriate behavior under stressful conditions.

Physical Examination

In conducting your physical examination to determine whether the above-named applicant is capable of meeting the *Technical Standards Essential for Radiologic Technology Practice* listed on the back of this page, please include an evaluation of the following systems:

- Basic vital statistics to include height, weight, blood pressure, pulse, respiration, and temperature
- Vision (Snellen Chart)
- Hearing (gross –whisper heard at 3 ft.)
- EENT

- Cardiovascular System
- Respiratory System
- G.I. System
- G.U. System
- Neuromuscular System
- Musculoskeletal System
- Endocrine
- Integumentary System
- Neurological System

Please read the Radiologic Technology Program *Technical Standards Essential for Radiologic Technology Practice* listed on the back of this page (page 2) and then complete the two questions on page 3.

Technical Standards Essential for Radiologic Technology Practice

Functional Ability	Standard	Examples of Required Activities
Gross Motor Skills	Gross motor skills sufficient to provide the full range for safe and effective patients care activities	<ul style="list-style-type: none"> • Move within confined spaces such as treatment room or operating suite • Assist with turning and lifting patients • Administer CPR
Fine Motor Skills	Fine motor skills sufficient to perform manual psychomotor skills	<ul style="list-style-type: none"> • Pick up and grasp small objects with fingers such x-ray identification markers
Physical Endurance	Physical stamina sufficient to remain continuously on task for up to a 12- hour clinical shift while standing, sitting, moving, lifting, and bending to perform radiographic examinations and procedures	<ul style="list-style-type: none"> • Lift and move heavy objects up to 50 pounds • Walk/stand for extended periods of time; turn, position, and transfer patients • Wear lead aprons, and thyroid collars for extended periods of time • Manually resuscitate patients in emergency situations
Physical Strength	Physical strength sufficient to perform full range of required patient care activities	<ul style="list-style-type: none"> • Push and pull 250 pounds on wheeled bed or gurney • Lift and move heavy objects up to 50 pounds • Push and pull radiographic mobile equipment for extended periods of time
Mobility	Physical ability sufficient to move from room to room and maneuver in small spaces; full range of motion to twist/bend, stoop/squat, reach above shoulders and below waist and move quickly; manual and finger dexterity; and hand-eye coordination to perform Radiologic	<ul style="list-style-type: none"> • Move around in work area and treatment areas. Position oneself in the environment to perform duties without obstructing the position of other team members or equipment

	Technology activities	
Hearing	Auditory ability sufficient for physical monitoring and assessment of patient's health care needs	<ul style="list-style-type: none"> • Hear normal speaking level sounds, hear auditory alarms (monitors, x-ray exposure indicator, fire alarms, call bells) hear cries for help
Visual	Normal or corrected visual ability sufficient for accurate observation	<ul style="list-style-type: none"> • See objects up to 20 feet away • Visual acuity to set exposure factors and

	and performance of Radiologic Technology duties	operate computer keyboard Assess skin color (cyanosis, pallor)
Tactile	Tactile ability sufficient for physical monitoring and assessment of health care needs	<ul style="list-style-type: none"> • Feel vibrations (pulses) • Detect temperature changes <p>Palpate anatomical landmarks during radiographic positioning</p>
Smell	Olfactory ability sufficient to detect significant environmental and patient's odors	<ul style="list-style-type: none"> • Detect odors from patients (foul smelling drainage, alcohol breath) • Detect smoke
Emotional/ Behavioral	Emotional stability and appropriate behavior sufficient to assume responsibility/accountability for actions	<ul style="list-style-type: none"> • Establish rapport with patients, instructors and members of health care team. • Respect and care for persons whose appearance, condition, beliefs and values may be in conflict with their own • Deliver Radiologic Technology care regardless of patient's race, ethnicity, age, gender, religion, sexual orientation or diagnosis
Professional Attitudes and Interpersonal Skills	Present professional appearance and demeanor; demonstrate ability to communicate with patients, supervisors, members of health care team to achieve a positive and safe work environment. Follow instructions and safety protocols	<ul style="list-style-type: none"> • Conduct themselves in a composed, respectful manner in all situations and with all persons • Work with teams and workgroups Establish and maintain professional boundaries • Demonstrate emotional skills to remain calm and maintain professional decorum in an emergency/stressful situation

	Honesty and integrity beyond reproach	<p>Demonstrate prompt and safe completion of all patients care responsibilities</p> <ul style="list-style-type: none"> Adapt rapidly to changing environment/stress Exhibit ethical behaviors and exercise good judgment
Communication	Oral communication skills sufficient to communicate in English with accuracy, clarity and efficiency with patients, their families and other members of the health care team, including nonverbal communication, such as interpretation of facial expressions, affect and body language	<ul style="list-style-type: none"> Give verbal directions to or follows verbal directions from other members of the healthcare team and participate in health care team discussions of patients care Elicit and record information about health history, current health status and responses to treatment from patients or family members <p>Convey information to patients and others as necessary to teach, and direct individuals in an accurate, effective and timely manner</p> <ul style="list-style-type: none"> Recognize and report critical patient's information to other caregivers

Licensed health care provider's conclusions. Questions #1 and 2 MUST be answered.

1. To the best of your knowledge, do the results of your physical examination indicate that the student applicant will be able to deliver safe and efficient patient care while in the Radiologic Technology program?

_____ **Yes** _____ **No**

If no, please explain. If additional space is required, please attach your explanation on letterhead stationery.

2. To the best of your knowledge, can the student applicant perform all of the Technical Standards Essential for Radiologic Technology Practice?

_____ **Yes** _____ **No**

If no, please explain which standards the applicant is unable to perform and why. If additional space is required, please attach your explanation on letterhead stationery.

ATTENTION STUDENT APPLICANT: If the health care provider's response to Question #1 or Question #2 is "No", Please contact Eastern Arizona College Radiologic Technologist program director to determine if reasonable accommodations can be made.

¹If you require or believe you may require a reasonable accommodation for a disability, or if you have a question about the Americans with Disabilities Act (ADA) or the Rehabilitation Act (Section 504), please contact the College's Office of Access and Disability Resources (ADR) click the link for [ADR information or help](#) or call ADR Director at (520) 206-3228. Even if a Licensed Health Care Examiner has indicated a belief that you will not be able to function as a student in the program or activity listed above, even with a reasonable accommodation, you are encouraged to contact ADR to discuss further options that may be available to you.

Licensed Health Care Provider (MD, DO, NP or PA)

Signature of Licensed Health Care Provider: _____

Date: _____

Please **PRINT** clearly or type:

Name of licensed health care examiner: _____

Title: _____ Telephone Number: _____

Address: _____
