



ARIZONA WESTERN
ENTREPRENEURIAL
COLLEGE

Radiologic Technology
Prospective Student
Information
2023 - 2024

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**RADIOLOGIC TECHNOLOGY
ARIZONA WESTERN ENTREPRENEURIAL COLLEGE
PROSPECTIVE STUDENT INFORMATION**

The program reserves the right to change any provisions or requirements when such action will serve the interest of the college or the students.

2023-2024

INTRODUCTION

The Radiologic Technology program is a Joint Review Committee on Education in Radiologic Technology (JRCERT) accredited Associate in Applied Science degree program taught by Arizona Western College. It consists of 22 months of didactic instruction with continuous clinical rotations to affiliate Radiologic Technology departments.

JRCERT

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[2021 Radiography Standards](#)

STATEMENT OF MISSION

The Radiologic Technology program is a comprehensive competency-based program of study that prepares students to sit for the National Registry Examination offered by the American Registry of Radiologic Technologists (ARRT) and allows successful students to graduate with expertise at the entry level in the field of Radiologic Technology and to be eligible for education and training in other specialized diagnostic imaging fields.

STATEMENT OF ROLE AND SCOPE

The program implements its mission through a clearly defined set of objectives and goals that meet and exceed the “Standards” for an accredited program set by the Joint Review Committee on Education in Radiologic Technology.

Didactic Instruction

The program follows the American Society of Radiologic Technologists (ASRT) curriculum guide in the presentation of Radiography content as well as the general education requirements for the associate degree.

Clinical Education

The program is responsible for the professional behavior and clinical competency skills of its graduates. Clinical rotations through all phases of radiography are required to meet the job demands of the small office to the large hospital. Critical thinking skills and problem-solving methods are emphasized.

Customer Service

The program teaches and evaluates students in the affective areas of patient care. Teamwork, professionalism, and patient management skills are assessed throughout the curriculum. Involvement in professional society functions is strongly encouraged.

Access Programs

The program provides students with counseling, tutoring and job placement services. Program and student assessment are routinely conducted and strategies are constantly being developed to improve and enhance the program and the student.

Quality Outcome Assessment

All phases of the program are assessed to ensure that quality services are provided to the student, employer and the community. Areas such as RAD 100, instructor’s teaching abilities, ARRT scores, post graduate evaluations, student satisfaction surveys, etc., are used as assessment tools. The Radiologic Technology Advisory Committee is an active integral part of assessing the quality of the program and providing important input into the necessary clinical skills needed by the graduates.

The Radiologic Technology program participates in the Arizona Western College Program Review process on a five-year cycle. The Radiologic Technology program also participates in the Arizona Western College’s Student Learning Assessment Program on a yearly basis.

STATEMENT OF VALUES

The program respects the diversity of its students and recognizes the worth, dignity, and potential of each student. Therefore, the program affirms the following values and beliefs:

Commitment to Students

Belief in the priority of the finest instruction, resources and support services to enhance the growth and development of the students. The program supports students in clarifying their lifelong goals, developing interpersonal skills, and becoming self-sufficient.

Commitment to Excellence in Education.

Belief in providing and being accountable for the quality of medical and general education and student support services. Graduates are prepared to demonstrate their knowledge, in written and oral communication, customer services areas, information technology, clinical procedures, equipment operation, quality assurance, and radiation safety.

Commitment to Faculty and Staff

Recognition of the importance and contribution of all individuals who collectively create a positive learning environment. All members of the Radiologic Technology and College community should have the opportunity to enhance their potential for purposeful, gratifying, and productive lives in an atmosphere of lifelong learning.

Quality Clinical Environment

Recognition of the importance of providing an ethical learning environment that is characterized by integrity, clear communication, open exchange of ideas, fairness in evaluations, and respect for all individuals of diverse backgrounds.

Effective Use of Resources

Is community-centered and partnership oriented. Believes in the effective use of College and program resources to provide quality education and services to its students and community and to be accountable to all of its clinical affiliates.

Affirmed by the Arizona Western College Radiologic Technology Advisory Committee.

PHILOSOPHY AND GOALS OF THE PROGRAM

The Radiologic Technology program, sponsored by Arizona Western College, is a twenty-two continuous month, Associate in Applied Science degree program. The students are involved in the educational training for a period of twenty-two months in order to meet the requirements of the program, the State of Arizona, and to be eligible to sit for the American Registry of Radiologic Technologists (ARRT) National Board Exam.

The clinical education of the program is based on sound academic performance, achievement of clinical objectives, and a thorough testing system for clinical competency.

It is the purpose of the Radiologic Technology program of Arizona Western College to produce graduates that are competent technologists, registry eligible, and demonstrate a professional concern for their patients.

The students' accomplishments of their clinical and academic objectives will prepare them for entry level into the field of Radiologic Technology.

The program has two clinical tracks 1) Yuma and surrounding area and 2) Phoenix and surrounding area. The Phoenix clinical track is geographically dispersed and students should anticipate significant travel. To meet clinical education requirement, the students will rotate through all radiology services and clinics, in their assigned clinical track, to participate in the clinical experiences that are necessary to round out the students' clinical education. Students are assigned a clinical track at acceptance in the program. Students will remain in the assigned clinical track for the program duration.

The program has an Advisory Committee comprised of area professionals in the field of Radiologic Technology and Health Administration. This committee helps guide the program in the production of qualified graduates that are needed to meet the expectations of the health care community.

The Radiologic Technology program of Arizona Western College serves its communities of interest and its students through meeting and maintaining the following goals:

1. Students will demonstrate competency at the entry level of the field of Radiologic Technology.
2. Students will demonstrate the ability to use critical thinking skills.
3. Students will communicate effectively.
4. The program will monitor its program effectiveness.

DESCRIPTION OF THE PROFESSION

Imaging examinations performed by, and the accompanying responsibilities assigned to a Radiographer shall be at the direction of physicians qualified to request and/or perform radiologic technology procedures. Upon successful completion of the program the Radiographer shall be able to:

1. Apply knowledge of anatomy, physiology, positioning, and radiographic techniques to accurately demonstrate anatomical structures on an image.
2. Determine exposure factors to achieve optimum radiographic technique with minimum radiation exposure to the patient.
3. Evaluate radiographic images for appropriate position and image quality.
4. Apply the principles of radiation protection to the patient, self, and others.
5. Provide patient care and comfort.
6. Recognize emergency patient conditions and initiate lifesaving first aid and basic life-support procedures.
7. Evaluate the performance of radiographic systems, know the safe limits of equipment operation, and report malfunctions to the proper authority.
8. Exercise independent judgment and discretion in the technical performance of medical imaging procedures.
9. Participate in Radiographic quality assurance programs.

All course outlines specifically state the required competencies, goals, and outcomes of each course, which will lead to all terminal competencies being met, and the program's mission completed.

PROSPECTIVE STUDENT **INFORMATION**

PROGRAM ENTRY REQUIREMENTS

The specific entry criteria for the program are:

1. Read current Student Guide and read the ARRT Standards of Ethics document
2. Applicants must be at least 18 years of age by the time the student would start the program to be eligible for acceptance in the radiology program.
3. Next Generation reading score of 237 or higher
4. GPA of 2.5 or higher in prerequisite courses
 - Submit official transcripts for evaluation to Transfer Services of courses not taken at AWC.
5. Submit a valid Fingerprint Clearance Card and authorization form
6. Submit a completed Program Application, Admission Essay, and Resume
7. ATI TEAS test score of 50% or higher
8. Student Selection Process
9. Attend New Student Health Meeting
 - Complete Health and Safety Requirements
 - Current CPR certification
 - All Applicable Immunizations
 - Negative Drug Screen
10. Attend New Student Orientation

A. Read the Student Guide and ARRT Standards of Ethics

- a. Read current Student Guide located on the website
- b. Read the ARRT Standards of Ethics document. [ARRT Standards of Ethics](#) This document articulates the types of behavior expected of radiology students and radiologic technologists. Visit <https://www.arrt.org/> for additional information.

B. Next Generation Reading Test

All prospective students are required to have a score of **237** or higher on the **ACCUPLACER Next Generation Reading Test**. The Next Generation **ACCUPLACER Placement Test** tests the students in Reading, Writing, and Math.

This test is available at no cost to the student through the AWC Testing Center located in the 3C Building. Register for the exam at www.azwestern.edu/enrollment/testing-services. If you have already taken the test and have achieved the appropriate score, you will not be required to retest. If the student has not taken the test or did not attain the minimum score, the student will have to take/retake the test until the appropriate score is obtained. A student wishing to retest within 90 days will be charged \$20.00 after a 24-hour waiting period. If the minimum score is still not obtained, the student may retest again but only after a 90-day waiting period which will then be at no charge.

C. Prerequisites:

The Program is an intense and comprehensive program of study; it is a combination of academic course work and clinical training for two years. A strong background in mathematics and science courses is recommended in order to be eligible to apply to the AWC Radiologic Technology program. The GPA of the prerequisites is used as part of the student ranking process; **all prerequisites must be completed before the student applies to the Program. Applicant's GPA for the below mentioned courses must be a minimum of 2.50 in order to be eligible to apply to the Program.** Students must attain a minimum grade of “C” or above in all prerequisite courses. **Prerequisites may not be repeated more than once. Students are not permitted to repeat more than 2 prerequisite courses.** The student should submit transcripts of courses not taken at AWC to the Transfer Services office to be evaluated.

CIS 120	Introduction to Computer Information Systems (CIS 105 may be substituted)	3 cr
MAT 142*	College Math with Application (or higher)	3 cr
ENG 100	Intro to Composition (or higher)	3 cr
ENG 101	Freshman Composition (or higher)	3 cr
PSY 101	Introduction to Psychology	3 cr
AHE 101	Medical Terminology	3 cr
BIO 160	Anatomy & Physiology (*BIO 201 & 202 may be substituted)	4 cr
****	Approved Arts & Humanities Course	3 cr
Total Prerequisite Credits		25 credits

Arts****

ARH 141 Survey of World Art 1
 ARH 142 Survey of World Art 2
 ENG 281 Intro to Film Studies
 MUS 120 Music Appreciation
 THE 101 Survey of Theatre
 THE 102 History of Contemporary Theatre

Humanities****

AJS 123 Ethics and Criminal Justice
 ENG 170 Intro to the Literature of the Bible
 ENG 180 Literature of the American West
 ENG 185 Myths and Other Traditional Narratives
 ENG 186 Folklore
 ENG 190 Intro to Literature
 ENG 216 Persuasive Writing on Public Issues
 ENG 220 Science Fiction
 ENG 231 World Literature to 1600
 ENG 232 World Literature 1600 to Present
 ENG 241 English Literature to 1800
 ENG 242 English Literature 1800 to Present
 ENG 245 Contemporary Multicultural Literature
 ENG 251 American Literature to 1860
 ENG 252 American Literature 1860 to Present
 ENG 261 Shakespeare
 ENG 265 Women Writers

PHI 101 Intro to Philosophy
 PHI 103 Intro to Logic
 PHI 105 Intro to Ethics
 PHI 210 Philosophy of Science
 PHI 220 Medical Ethics
 PHI/REL 233 Philosophy of Religion
 PHI 240 Ancient Philosophy
 PHI/POS 257 Social and Political Philosophy
 REL 201 Comparative World Religions
 REL 210 Intro to Old Testament
 REL 220 Intro to New Testament
 SPA 260 Mexican-American Literature
 SPA 261 Intro to Spanish Literature
 SPA 263 Intro to Hispanic Film and Culture
 SPA 265 Survey of Spanish and Spanish-American Literature

**** Subject to change, see current AWC Catalog for approved Arts & Humanities courses.

*Only 3 credits of math will be used to calculate a student's prerequisite GPA. If a student has taken a higher level math course (e.g. MAT 151) excluding MAT 183, the math course will be calculated based on a 3-credit scale. This does not affect a student's Official Transcripts; the conversion is used solely for ranking purposes.

*The same applies to BIO 201 and BIO 202, 8 credits will be calculated as 4 credits solely for ranking purposes.

Transcripts

If a student has attended a college or university other than AWC, official transcripts must be evaluated by the office of Transfer Services for transfer credit. It is the student's responsibility to request the official transcript(s) from the prior college(s). Transfer credits will not be considered until the evaluation is completed and posted to the student's AWC record. **The transcript evaluation process may take three to six weeks and must be completed by the application period deadline.** Please contact Transfer Services by phone (928) 344-7638 or visit them in the 3C Building on Main Campus.

A [Request for Evaluation/Re-Evaluation of Credits](#) MUST be filled out in order for your transcripts to be evaluated. The student must specify Radiologic Technology as their Major. NOTE: If the institution that you are transferring your credits from ONLY sends out ELECTRONIC transcripts, you need to have them sent DIRECTLY to AWC at transfer.services@azwestern.edu. Faxed or printed copies will NOT be acceptable. Acceptable transcripts require the imprint of the official school seal and be sent directly from the issuing institution to: Arizona Western College, Attn: Transfer Services office, PO Box 929, Yuma, AZ 85366-0929.

An **Application for Admission to AWC** must be completed if (a) You are a new student to Arizona Western College or (b) You are a former AWC student and have not taken classes in the past 12 months. *There is a separate application form that is required to apply for the Radiologic Technology program (See section E).*

D. Order a Fingerprint Clearance Card (if you do not have a current* card)

Order a Fingerprint Clearance Card by submitting a request at [Fieldprint®](#). After you sign up and verify your account OR login, you will be asked for the Fieldprint Code. Scroll down to "Don't have a Fieldprint Code?". Click "Continue with this reason" next to Fingerprint Clearance Card. You will need to then call AZDPS 602-223-2279 for a reference number. Once you have a reference number, complete the form and next steps.

Note it will cost approximately \$75 to order. *Be advised that it can take anywhere from 4 – 8 weeks to receive the card from The Department of Public Safety.* The Radiologic Technology Program will **NOT** accept Program applications without the card. If the student already has a Fingerprint Clearance Card that has not expired, the student will have to submit a copy of the card along with the completed Program application. The Radiologic Technology office will verify the validity of the submitted card with the Department of Public Safety. Students who are unable to submit a valid Fingerprint Clearance Card will **NOT** be allowed to apply. ***It is recommended to order Fingerprint Clearance Card in the fall semester prior to applying in January.***

**A current card is one that will not expire before the end of the 2-year program enrollment period.*

Criminal Background Check by valid Fingerprint Clearance Card:

- I. Applicants to the College's Radiologic Technology program (the "Program") must present a valid fingerprint clearance card in order to be cleared for clinical placement prior to applying to the Radiologic Technology program. The primary clinical affiliate for the Program, Yuma Regional Medical Center, requires all students operating in a clinical setting to be cleared for patient contact using the same criteria as outlined in the American Registry of Radiologic Technologists (ARRT) Standard of Ethics, Section B – Rules of Ethics, Subsection 3. An applicant not cleared for clinical placement will not be allowed to apply to the Program until he/she presents a valid fingerprint

clearance card. The card must not expire during the student's enrollment period in the program (2 years). If a review of the current card shows that it will expire during the enrollment period in the program, the applicant will be required to apply for a new fingerprint clearance card. Admission to the program is contingent on presentation of a valid fingerprint clearance card.

- II. Students applying for enrollment in the Radiologic Technology program **are required to disclose** the following information on their application:
 - a. Criminal proceedings including:
 - i. misdemeanor charges and convictions;
 - ii. felony charges and convictions;
 - iii. military court-martial;
 - b. Disciplinary actions taken by a state federal regulatory authority or certification board; and/or;
 - c. Honor Code Violations
 - d. Dismissal from another Radiologic Technology program
- III. ***Falsification or presentation of fraudulent information on the application form will result in denial of enrollment in the program or once enrolled, is grounds for disciplinary action by the College including expulsion and conditions placed on future enrollment.***
- IV. Clearance of a student with a criminal history to participate in clinical settings in the Program does not ensure that, upon completion of the Program, the student will meet the requirements for certification imposed by the ARRT. A student with any criminal history should contact the ARRT at the time of application to the Program to review his or her eligibility for eventual certification as a radiologic technologist. Students are advised to complete the Ethics Review Pre-Application Packet and submit to the ARRT.

The College may request an updated fingerprint clearance card at any time during enrollment in the Program. Students must inform the program director of any involvement with the criminal justice system while they are enrolled in the program. A criminal conviction which occurs while the student is enrolled in the program will impact the student's ability to participate in clinical assignments and will be cause for removal from the program.

The validity of the fingerprint clearance card will be checked by AWC. (See Authorization to Verify Validity of Fingerprint Clearance Card form)

ARRT Ethics Review (if applicable to you)

After graduation students are considered candidates to sit for the American Registry of Radiologic Technologists (ARRT) National Certification Board Examination. Candidates must comply with the "Rules of Ethics" contained in the American Registry's "Standards of Ethics".

Applicants must disclose any:

- 1. Felony charges and convictions; and/or
- 2. Misdemeanor charges and convictions; and/or
- 3. Military court martial; and/or
- 4. Disciplinary actions taken by a state or federal regulatory authority or certification board; and/or
- 5. Honor code violations
- 6. Dismissal from another Radiologic Technology program

A conviction of, or plea of guilty to, or a plea of nolo contendere to a crime that is either a felony or a misdemeanor, must be investigated by the ARRT in order to determine eligibility.

If violations are disclosed, the student must:

- 1. Make an appointment with the program director to discuss the ethics review process; and
- 2. Complete and submit to the ARRT the "*Ethics Review Pre-Application Packet*" found online at www.arrt.org or go directly to [ARRT Ethics Pre-application Form](#)

E. Submit Program Application

Program applications are available on the Radiology Program website January through February each year. Applications will be accepted ***starting the second week in January through the last Thursday in February*** and must be filled out completely before submitting to Radiologic Technology office. Students must submit the following documents along with the completed application:

1. Next Generation Reading score must be obtained from Testing Services located in the 3C Building.
2. Unofficial transcripts to verify prerequisite GPA must be obtained from the Admissions and Registration office located in the 3C Building; printouts from Web Advisor will **NOT** be accepted.
3. Valid Fingerprint Clearance Card.
4. Signed “Authorization to Verify Validity of Fingerprint Clearance Card”
5. ATI TEAS Exam score
6. Admission Essay
7. Resume – be sure to include any healthcare experience

F. ATI TEAS Exam

The ATI TEAS exam measures basic essential skills in the academic content area domains of reading, mathematics, science and English and language usage. The Program requires the student to take this exam to measure their academic preparation for the medical field. **All students are required to take the exam and pass with a minimum score of 50%.** The ATI TEAS exam is comprised of 150 questions with four subject areas including: Reading, Mathematics, Science, and English and Language Usage. If you would like to purchase a copy of the study guide, it is available at <https://www.atitesting.com/teas/study-manual> for an estimated cost of \$25.00. On average, the cost of the ATI TEAS exam is approximately \$115.00.

Register for the ATI TEAS exam at [ATI Register for the TEAS Page](#). When registering you may choose to take the exam either in-person at a PSI testing center or remote online. For remote online testing select “ATI Remote Proctor – Allied Health” at the TEAS Proctor-Program Type. If electing for in-person testing, select “TEAS for Allied Health” as the Program Type and “PSI Testing Center” as the location. The closest PSI testing centers to Yuma are in Somerton and Parker, AZ.

After completing the exam, send your exam transcript to AWC Radiology Program. Log into your ATI Account at www.atitesting.com/login select the MY ATI tab then the RESULTS tab. Follow the prompt for SEND TRANSCRIPT. As an alternative, you may download your ATI TEAS report as a PDF and email the report to radiology@azwestern.edu

The AWC Radiology Program will only accept exam results taken during the current application period (January 1 through the last Thursday in February of the application year).

Test scores must be received by the Radiologic Technology office by 5pm on the last Thursday in February; no exceptions will be made. The student must attain a score of 50% or higher. If a student’s score is above the minimum 50%, that score will be recorded in the ranking process. Students with the minimum 50% score will not be allowed to retake the exam to improve their scores. **Students will only be allowed to retake the ATI TEAS if their score is below a 50%. ATI has a 14-day waiting period before a student can retake the exam-plan accordingly.** A student can only retake the exam once per application period.

G. Student Selection Process

Student ranking is based on:

Category	Minimum Score Required	Highest Possible Score	Ranked Points
Prerequisite GPA	2.50	4.00	4 points
Reading Score	237	300	1 point
ATI TEAS Exam	50	100	1 point
Admission Essay	3	6	6 points
Healthcare Work Experience	0	2	2 points
Additional higher-level math course (above MAT 142 grade of C or better)	0	1	1 point
Chemistry and/or physics course – grade of C or better)	0	1	1 point
		Total Points Possible	16 points

Applicants will be selected in two separate groups:

1st ranking: Includes students in the top 20 after all scores have been weighted. Their transcripts will reflect successful completion of all prerequisite courses, acceptable Reading, ATI TEAS and admission essay scores. The highest-ranking students will be offered seats for the summer semester. The maximum number of students may be less than 20 pending clinical site status.

A **2nd ranking** will be done when/if seats are available after the 1st ranking. Students who were not selected in the 1st ranking will be offered seats if the students who were initially selected defer their admission or change their career choice. The highest-ranking students on the list will then be offered those remaining seats.

Applicants will be notified in April of acceptance or declination by email to the students AWC email account by the Radiologic Technology office.

Please do not contact the program office with inquiries about selection.

H. New Student Health Meeting

Students will need to attend a mandatory Health Meeting at the scheduled date and specified time. Students must follow a specific timeline in order to ensure that all requirements are met by the deadline. Timeline will be explained in detail to accepted students during this meeting.

Health and Safety Requirements include:

1. CPR Certification

Valid Healthcare Provider CPR/BLS Card – CPR Certification. Beginning June 5, 2023 Yuma Regional Medical Center will only accept **Healthcare Provider CPR/BLS cards from the American Heart Association**. Re-certification may be required during the second year.

2. Physical Examination

The Student Medical History Form must be completed and signed by a Physician, Nurse Practitioner, or Physician Assistant (MD, NP, PA).

3. TB Screening

Two (2) TB skin tests, with at least one week lapsed between each test.

Or

TB serology test (QuantiFERON Gold or T-Spot)

Students who provide evidence of a negative TB skin test within the 365 days preceding clinical rotation will only be required to have one (1) TB skin test or TB serology test.

Students who have received the Bacille Calmette-Guerin (BCG) vaccine should NOT be screened using the TB skin test. These students should be screened using the TB serology test.

Annual screening may be required.

If there is history of a positive skin test provide:

- Chest x-ray results, done within a year after the positive skin test
- Students who are identified as positive for latent TB will be referred to their personal physician for treatment and clearance, which must be received before the student will be allowed to start clinicals.

4. Immunizations or titers

- **Measles, Rubella (MR) and Varicella**
 - Submit documentation of two MMR vaccinations and two varicella vaccinations. If documentation is not available, titers must be completed within last 12 months and results submitted.
- **Hepatitis B Vaccinations**
 - Vaccinations are administered in a series of three injections over a 6-month period. Proof of immunizations or a Waiver declining the vaccine must be provided (waivers are available for download in the Rad On-Boarding Canvas course) **The Hepatitis Vaccine is strongly recommended.

- ***Influenza Vaccination***

- Although not required, it is strongly recommended. Unvaccinated students must wear masks when flu becomes active in the community as determined by YRMC Infection Prevention and Quality Services.

- ***COVID 19 Vaccination***

- Students should be vaccinated when clinical facilities require it so that they can participate in the clinical experience and progress in their programs.
- Radiology education programs are mandated by program accreditors to provide students with clinical experiences. They are not obligated to provide substitute or alternate clinical experiences based on a student's request or vaccine preference.
 - At time of publishing this document, COVID 19 vaccination is not a requirement to attend clinicals. The student should be aware that this could change in the future.

5. Respirator fit testing

- Prior to attending clinicals, each student will be fitted for an N95 respirator. The students will be required to use the appropriate respirator when working with COVID 19 patients, any patient in air-borne isolation, or as directed by the clinical sites by AWC faculty.

6. Drug Screen must be:

- The drug screening must be completed and results submitted 1 week prior to the first day of class.
- The Health Evaluation/Drug Screen Consent and Release form must be submitted.
- Students with a positive drug screen will not be allowed to enroll in Radiology courses.

I. New Student Orientation

Students will need to attend the AWC New Student Orientation and the Clinical Track New Student Orientation at the scheduled date and specified time. Pictures will be taken for AWC name badge and for a class poster. Students must come in their uniforms and follow the dress regulations. Clinical facilities may provide name badges during clinical orientation.

GRADUATION REQUIREMENTS

Graduation Requirements

1. Successful completion of all clinical and graduation competencies.
2. Successful completion of all RAD coursework with at least a “C” grade.
3. Successful completion of all required courses for the Associate in Applied Science Degree in the general studies area.
4. Cumulative RAD and overall GPA of 2.5 or higher.

Graduation Competencies

1. Use effective oral and written communication
2. Demonstrate knowledge of human structure, function and pathology
3. Anticipate and provide basic patient care and comfort
4. Apply principles of body mechanics
5. Perform basic mathematical functions
6. Operate radiographic imaging equipment and accessory devices
7. Position the patient and imaging system to perform radiographic examinations and procedures
8. Modify standard procedures to accommodate for patient condition and other variables
9. Process images on the computerized system
10. Set exposure factors to obtain diagnostic quality radiographs with minimum radiation exposure to the patient
11. Adapt exposure factors for the various patient conditions, equipment, accessories and contrast media to maintain appropriate radiographic quality
12. Practice radiation protection for patient, self and others
13. Recognize emergency patient conditions and initiate first aid and basic life support procedures
14. Evaluate radiographic images for appropriate positioning and image quality
15. Evaluate the performance of radiographic systems, know the safe limits of equipment operation, and report malfunction to the proper authority
16. Demonstrate knowledge and skills relating to quality assurance
17. Exercise independent judgment and discretion in the technical performance of medical imaging procedures and use critical thinking skills to evaluate situations and procedures which deviate from the norm
18. Successfully complete the required clinical competencies, venipuncture and Patient Care functions

Clinical Competencies

1. Completion of all the required ARRT Clinical Competency Requirements
2. Completion of all assigned clinical rotations
3. Completion of all clinical objectives

TECHNICAL STANDARDS

(Physical, cognitive, and behavioral requirements for students in the Radiologic Technology program)

STANDARD 1

In order to provide safe care in the Radiologic Technology program, the students must be able to satisfy, with or without reasonable accommodation, physical, cognitive, and behavioral abilities required for satisfactory completion of all aspects of the curriculum. The essential abilities required by the curriculum are in the following areas: motor, sensory, communication, intellectual (conceptual, integrative and quantitative abilities for problem solving and patient assessment) and the behavioral and social aspects that impact the performance of a Radiologic Technology student. Any change in physical, cognitive and/or behavioral status of the student requires a new student medical history form to be placed in the student's file.

STANDARD 2

The Program requires the use of comprehensive speech, memory, reading and writing to communicate with clients, families and other health professionals. The student must be able to quickly and efficiently provide direct care functions, engage in therapeutic communication and function effectively in stressful situations.

STANDARD 3

Essential functions for patient care include the use of senses to gather information, i.e. color changes in the skin, hearing heart and lung sounds through a stethoscope, feeling pulses and feeling hot/cold skin, etc. patient care requires the ability to synthesize information from a variety of sources and apply it in making decisions regarding safe patient care. The student must be focused and alert to maintain patient care safety. This includes the ability to place the patient care's needs first.

STANDARD 4

During clinical training, the student must be able to accomplish tasks that ordinarily require the student to stoop/bend, squat, kneel, climb, push/pull, grasp/handle, reach over shoulders, reach at waist, reach below waist, lift, hear, see, smell, touch, stand and walk during most of the entire clinical day (between 4 and 10 hours). Physical agility is required while working. There is pushing and pulling of various medical equipment and items required for patient care. There may be a need to lift patient with and without mechanical devices.

NOTE: AccessABILITY Resource Services (ARS)

The AccessABILITY Resource Services office works in partnership with students with disabilities, faculty and staff to remove barriers in the educational process through design and accommodation. We recognize disability as an aspect of diversity and promote a culture of inclusion for all diverse groups.

Goals for students:

- Become effective self-advocates, independent and self-sufficient
- Build self-awareness, self-esteem and self-identity
- Work through personal obstacles and obtain academic success

Requesting Accommodations

- Students must self-identify with [AccessABILITY Resource Services](#) and submit documentation on the disability/(ies).
 - The eligibility determination process is not a same day process. Once documentation is received, it will be reviewed in order of receipt; therefore, it is recommended that documentation be submitted well in advance of any accommodation related needs (e.g. exam accommodations and alternative media services).
- To request accommodations for the first time, students must submit a [Public Accommodation Request](#) and meet with the ARS coordinator, located on the second floor of the 3C building, at 928-344-7674. Appointments may be conducted in person, via Zoom, or by phone.
- Students who are renewing their accommodations must submit a semester request through [Accommodate](#). If any changes need to be made to previous accommodations, students must request an appointment with the ARS coordinator. Appointments may be requested through the appointment tab or by calling 928-344-7674.
 - Be prepared to speak to the Coordinator about their disability and the barriers they feel they may encounter in the classroom, as well as, accommodations or design modifications needed to ensure equal access.
 - The ARS Coordinator works with students to determine which design modifications or accommodations are appropriate for each class.
 - We encourage all students to contact instructors two weeks before the start of classes to discuss accommodations and success strategies for the semester. This not only gives the instructor time to consider the changes that will be needed to ensure access to materials, but also breaks the ice and encourages more effective communication.

Note: Services can be requested at any time during the semester; however, requesting services well in advance will help ensure resources are available when needed.

EQUAL OPPORTUNITY POLICY AND STUDENTS WITH DISABILITIES

Arizona Western College does not discriminate in admission or access to, or treatment or employment in, its services, programs, or activities on the basis of race, color, national origin, sex, religion, age (40+), or disability, in compliance with the laws of the United States and the State of Arizona. Any questions regarding that applicability of state and federal anti-Discrimination laws to Arizona Western College and its services, programs or activities, and any grievances or claims of violation of such laws, should be directed to its Title IX Compliance Officer: The Chief of Human Resources Officer, P.O. Box 929, Yuma, AZ, 85366-0929, (928) 344-7505.