

Radiography

AAS in Radiography

Competencies/Student Outcomes:

(Technical Competencies: (also Diploma in Radiography)

Upon completion of the program, the graduate can:

General Education Competencies: (Competencies will be met at the level appropriate to the credential.)

- I. Communicate Effectively
 1. Read and listen with comprehension.
 2. Speak and write clearly using standard English.
 3. Interact cooperatively with others using both verbal and non-verbal means.
 4. Demonstrate information processing through basic computer skills.
- II. Think Critically
 1. Make connections in learning across the disciplines and draw logical conclusions.
 2. Demonstrate problem solving through interpreting, analyzing, summarizing, and/or integrating a variety of materials.
 3. Use mathematics to organize, analyze, and synthesize data to solve a problem.
- III. Learn Independently
 1. Use appropriate search strategies and resources to find, evaluate, and use information.
 2. Make choices based upon awareness of ethics and differing perspectives/ideas.
 3. Apply learning in academic, personal, and public situations.
 4. Think creatively to develop new ideas, processes, or products.
- IV. Examine Relationships in Diverse and Complex Environments
 1. Recognize the relationship of the individual to human heritage and culture.
 2. Demonstrate an awareness of the relationship of the individual to the biological and physical environment.
 3. Develop an awareness of self as an individual member of a multicultural global community.

Technical Competencies: (also Diploma in Radiography)

1. Accurately demonstrate anatomical structures on imaging receptors.
2. Determine exposure factors to achieve optimum radiographic results (or images) with minimum radiation exposure to the patient.
3. Evaluate radiographic images for appropriate positioning and image quality.
4. Practice radiation protection for the patient, self, and others.
5. Provide patient care and comfort.
6. Recognize emergency patient conditions and initiate life-saving first-aid and basic life support procedures.
7. Evaluate the performance of radiologic 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 radiologic quality assurance programs.
10. Collaborate with members of the health team.

Program Title: Advanced Imaging in Radiography – Computed Tomography

Upon completion of this program, the graduate can:

1. Optimize safety protocols necessary for advanced imaging procedures in Computed Tomography.
2. Identify the disease process, pathology or abnormal conditions through the use of advanced modalities in Computed Tomography.
3. Equip graduates with the knowledge needed to be competitive in an ever changing medical imaging field.
4. Assist the Radiographer preparing for an advanced certification exam in Computed Tomography.

Program Title: Advanced Imaging in Radiography – Magnetic Resonance Imaging

Upon completion of this program, the graduate can:

Proposed:

1. Optimize safety protocols necessary for advanced imaging procedures in Magnetic Resonance Imaging.
2. Identify the disease process, pathology or abnormal conditions through the use of advanced modalities in Magnetic Resonance Imaging.
3. Equip graduates with the knowledge needed to be competitive in an ever changing medical imaging field.
4. Assist the Radiographer preparing for an advanced certification exam in Magnetic Resonance Imaging.