



Radiography Program

TECHNICAL AND PROFESSIONAL STANDARDS FOR MEDICAL RADIOGRAPHY

A student entering the radiography program at Tulsa Community College should be aware of the following performance requirements necessary to fulfill the job requirements of a registered medical radiographer (ARRT (R)).

EDUCATION: Must be a graduate of an educational program in radiography accredited by a mechanism acceptable to the American Registry of Radiologic Technologist.

Tulsa Community College is accredited by the Oklahoma State Regents for Higher Education, the Higher Learning Commission (HLC), plus specific programmatic accreditation by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

SKILLS: Radiography graduates of Tulsa Community College are expected to exhibit cognitive, technical, and interpersonal skills and demonstrate the following competencies adopted by the Tulsa Community College Radiography Advisory Committee.

The graduate will be able to:

1. Exhibit proficiency in maintaining proper patient records and patient confidentiality as per Radiology department protocols in accordance with HIPAA regulations.
2. Operate automatic developing equipment and digital imaging equipment, process radiographs, and maintain quality control of automated processing and digital imaging equipment.
3. Demonstrate a professional appearance of themselves and their radiology department, and demonstrate an ethical relationship with all personnel.
4. Select and operate the proper equipment and accessories to provide the patient with the best possible radiographic examination.
5. Scientifically select the proper technical factors to produce high-quality radiographs while ensuring the patients lowest possible radiation exposure.
6. Transport and position patients for all routine radiographic procedures, including portables, surgery, and selected special procedures, while maintaining the highest standard of radiation protection for the patient and the technologist.
7. Administer, or assist a physician in administering contrast media and other common medications used in radiography.
8. Assist in medical emergencies as necessary.
9. Practice proper sterile techniques and isolation procedures to prevent contamination and promote disease control for the patients and all other personnel.
10. Perform in all areas of the radiology department with full responsibility in the performance of all routine and selected special procedures.
11. Assist in the instruction and evaluation of future radiographers.

12. Assume responsibility for other duties as delegated by their supervisor or physicians.
13. Demonstrate basic knowledge of advanced imaging modalities.
14. Demonstrate college-level reading and writing skills.
15. Understand and be able to apply knowledge of the history of the United States.
16. Understand and be able to apply knowledge of the study of the American Federal Government.
17. Apply psychological principles to human relation problems with an emphasis on group dynamics, interpersonal communications, and decision making.
18. Demonstrate a general knowledge of the human body's anatomy and physiology and how it relates to radiography.
19. Possess an understanding and demonstrate proper usage of Standard and Isolation Precautions when dealing with bloodborne pathogens.

PHYSICAL/MENTAL WORKING CONDITIONS: Radiography graduates should possess the following physical and mental capabilities to perform adequately in this occupation.

Frequently Required Work Activities:
Standing
Walking
Lifting
Carrying
Pushing/Pulling
Balancing
Squatting/ Crouching
Stooping/Bending

Frequently Required Hand Activities:
Grasping/turning
Fine Manipulation
Grasping

Occasionally Required Work Activities:
Sitting
Climbing
Crawling

Continuously Required Work Activities:
Reaching
Handling/Feeling
Talking
Hearing
Seeing

Continuously Required Mental Demands	
Judgment	Alertness
Imagination	Precision
Memory	Analytic ability
Creativity	Problem-solving
Initiative	Concentration
Patience	Communication with people

Strength Rating: On the job, a radiographer must be able to lift/assist	
Up to 20 pounds (Light)	Continuously
21 to 50 pounds (Medium)	Frequently
50 to 100 + pounds (Heavy)	Frequently