

YORK TECHNICAL COLLEGE
TECHNICAL STANDARDS FOR THE RADIOLOGIC TECHNOLOGY ASSOCIATE DEGREE PROGRAM

ESSENTIAL FUNCTIONS OF A RADIOGRAPHER:

1. Perform Radiologic examinations including:
 - A. Obtain and document patient history
 - B. Explain procedure to patient and address patient concerns
 - C. Position patient properly using immobilization or support devices as necessary
 - D. Assess patient condition
 - E. Produce film/image using accepted technique.
 - F. Report any unusual occurrences or changes in patient condition to appropriate staff
2. Clean and maintain equipment and room
3. Assist in maintenance of room supplies
4. Prepare and administer contrast agents and other chemical mixtures
5. Implement emergency procedures and administer first aid including CPR.

MINIMUM QUALIFICATIONS NECESSARY TO PERFORM ESSENTIAL FUNCTIONS OF A STUDENT IN THE RADIOLOGIC TECHNOLOGY ASSOCIATE DEGREE PROGRAM

Physical Requirements: The position of Radiologic Technologist has been given a strength rating of **Light Work** by the US Dictionary of Occupational Titles (exerting up to 20 pounds of force occasionally, and/or up to 10 pounds of force frequently, and/or a negligible amount of force to move objects in activities or conditions existing two-thirds of the work shift.) Included in the physical requirements are the positioning and moving of patients manually and by stretcher or wheelchair. When performing these functions with large patients, strength necessary may exceed the DOT rating. Position also includes intermittent sitting, standing, walking, frequent reaching, occasional twisting and bending, occupational exposure to radiation and exposure to fumes. Both hands are used for power grip, speed and precision work. Use of both feet is required.

Data Conception: Requires the ability to gather, collate or classify information about data, people or things. Reporting and/or carrying out a prescribed action in relation to the information are frequently involved.

Color Discrimination: Requires the ability to differentiate colors and shades of color.

Manual Dexterity/Motor Coordination: Requires the ability to use body members to start, stop, control and adjust the progress of machines or equipment. Operating machines involves setting up and adjusting the machine or material as the work progresses. Controlling involves observing gauges, dials, etc. and turning switches and other devices. Must have good eye/hand/foot coordination.

MINIMUM QUALIFICATIONS NECESSARY TO PERFORM ESSENTIAL FUNCTIONS OF A STUDENT IN THE RADIOLOGIC TECHNOLOGY ASSOCIATE DEGREE PROGRAM (Continued)

Interpersonal Communication: Requires the ability to apply principles of logical or scientific thinking to define problems, collect data, establish facts, and draw valid conclusions. Interpret an extensive variety of technical instructions in mathematical or diagrammatic form. Deal with several abstract and concrete variables. Work as part of a team.

Physical Communication: Requires the ability to speak and/or hear (express self by spoken words and perceive sounds by ear.)

Reasoning Development: Requires the ability to apply principles of logical or scientific thinking to define problems, collect data, establish facts, and draw valid conclusions. Interpret an extensive variety of technical instructions in mathematical or diagrammatic form. Deal with several abstract and concrete variables.

Language Development: Requires the ability to read and understand complex information from scientific and/or technical journals, papers, etc. Requires the ability to communicate the same types of complex information and data through speech and in writing using proper format, punctuation, spelling, grammar and using all parts of speech.

Numerical Ability: Requires the ability to determine time, weight and to perform practical applications of fractions, percentages, ratio and proportion as well as basic addition, subtraction, multiplication, and division operations.

Form/Spatial Ability: Requires the ability to inspect dimensions of items and to visually read information and data.

Personal Temperament: Requires the ability to deal effectively with stress produced by work and guest interaction situations that may be of critical or emergency situation.

Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Office (SRO) at 803-327-8007, located in the Student Services Building within the Counseling and Support Services Area. The SRO coordinates reasonable accommodations for students who self-identify their documented disability.