

**Tallahassee Community College**  
**Radiologic Technology Program**  
**TECHNICAL STANDARDS**

TECHNICAL STANDARD	DEFINITION	EXAMPLES OF REQUIRED ACTIVITIES (not all inclusive)
<b>Cognitive Qualifications</b>	Sufficient Reading, Language and Math Skills; Intellectual and emotional functions necessary to plan and implement patient care for individuals	<ul style="list-style-type: none"> <li>• Ability to comprehend and interpret written material</li> <li>• Follow and deliver written and oral direction</li> </ul>
<b>Critical Thinking</b>	Critical thinking ability sufficient for clinical judgment; synthesize information from written material and apply knowledge to clinical situations.	<ul style="list-style-type: none"> <li>• Identify cause-effect relationships in clinical situations</li> <li>• Develop order of multiple imaging exams</li> <li>• Make rapid decisions under pressure</li> <li>• Handle multiple priorities in stressful situations</li> <li>• Assist with problem solving</li> </ul>
<b>Interpersonal</b>	Interpersonal abilities sufficient to interact with individuals, families, and groups from a variety of social, educational, cultural, and intellectual backgrounds	<ul style="list-style-type: none"> <li>• Establish rapport with patients and colleagues</li> <li>• Function effectively under stress</li> <li>• Cope with anger, fear, hostility of others in calm manner</li> <li>• Cope with confrontation</li> <li>• Demonstrate high degree of patience</li> <li>• Display compassion, professionalism, empathy, integrity, concern for others with interest and motivation</li> </ul>
<b>Communication</b>	Communication abilities sufficient for interaction with others in verbal and non-verbal form (speech, reading, and writing)	<ul style="list-style-type: none"> <li>• Explain imaging procedures</li> <li>• Document patient history and incident reports</li> <li>• Write legibly</li> <li>• Communicate clearly and effectively (oral, written) with patients, co-workers, and health care providers by use of the English language and medical terminology</li> </ul>
<b>Mobility</b>	Physical abilities sufficient to move from room to room, to maneuver in small spaces and to perform procedures necessary for emergency intervention	<ul style="list-style-type: none"> <li>• Move around in clinical operatories, workspaces, classrooms, laboratories and other treatment areas</li> <li>• Administer cardio-pulmonary resuscitation procedures</li> <li>• Assist all patients, according to the individual's needs and abilities in moving, turning, transferring from transportation devices to the x-ray tables, etc.</li> <li>• Push a stretcher or wheelchair without injury to self, patient, or others</li> <li>• Push mobile x-ray equipment from one location to another, including turning corners, getting on and off elevator, and manipulating equipment around patient rooms and in small spaces</li> </ul>
<b>Motor Skills</b>	Gross and fine motor abilities sufficient to provide safe and effective care	<ul style="list-style-type: none"> <li>• Calibrate and manipulate x-ray equipment and supplies</li> <li>• Position patients</li> <li>• Perform Repetitive tasks</li> <li>• Able to grip</li> <li>• Bend at knee and squat</li> <li>• Reach above shoulder level</li> <li>• Lift with assistance 150 pounds</li> <li>• Exert 20-50 pounds of force (pushing, pulling)</li> <li>• Complete a CPR Healthcare Provider certification course</li> <li>• Climb stairs</li> <li>• Remain in standing position for 3-5 hour periods</li> </ul>

<b>Hearing</b>	Normal, or corrected auditory ability sufficient to interpret verbal communication from patients and health care team members and to monitor and assess health needs	<ul style="list-style-type: none"> <li>• Hear monitor alarms, emergency signals, cries for help</li> <li>• Hear telephone interactions</li> <li>• Hear audible stethoscope signals during blood pressure screenings</li> <li>• Hear patient speaking from a 20 ft distance</li> </ul>
<b>Visual</b>	Normal, or corrected visual acuity sufficient for observation and patient assessment and equipment operations and departmental protocols.	<ul style="list-style-type: none"> <li>• Observe patient condition and needs from a 20 ft distance</li> <li>• Identify and distinguish colors</li> <li>• Accurately read radiation exposure readings on x-ray equipment</li> <li>• View radiographic images and medical reports</li> <li>• Assess direction of and correctly direct the central ray to anatomical part being imaged and align image receptor</li> <li>• Read departmental protocol for imaging procedures, the radiographic examination request and physician orders.</li> </ul>
<b>Tactile</b>	Tactile ability sufficient for patient assessment and operation of equipment.	<ul style="list-style-type: none"> <li>• Perform palpation, tactile assessment, and manipulate body parts to ensure proper body placement alignment</li> <li>• Manipulate dials, buttons, and switches of various sizes</li> </ul>
<b>Environmental</b>	Ability to tolerate environmental stressors	<ul style="list-style-type: none"> <li>• Be able to tolerate risks or discomforts in the clinical setting that require special safety precautions, additional safety education and health risk monitoring (i.e. ionizing radiation, chemicals), working with sharps, chemicals and infectious diseases. Students may be required to use protective clothing or gear such as masks, goggles, gloves, and lead aprons.</li> <li>• Work with chemicals and detergents</li> <li>• Tolerate exposure to fumes and odors</li> <li>• Work in area that are close and crowded</li> <li>• Adapt to shift work</li> </ul>

Tallahassee Community College is committed to providing an inclusive college experience, equal opportunities for students through accessibility, and sharing resources that facilitate accessibility to assist students in reaching their academic potential and achieving their educational goals. A “qualified individual with a disability is one who, with or without reasonable accommodation or modification, meets the essential requirements for participation in the program.”

Radiography is a practice discipline with cognitive, affective, and psychomotor performance requirements. Based on those requirements, a list of “Technical Standards” has been developed. Each standard has an example of an activity or activities that a potential student will be required to perform while enrolled in the Radiologic Technology Program. These standards are a part of a radiographer’s professional role expectation.

These standards should be used to assist students in determining whether accommodations or modifications are necessary to meet performance standards. Students who identify potential difficulties with meeting the Technical Standards must communicate their concerns to the Program Chair.