

RADIOLOGIC TECHNOLOGY PROFESSIONAL TECHNICAL STANDARDS

Applicants and students should be able to perform these essential functions, or with reasonable accommodations, such as the help of compensatory techniques and/or assistive devices, be able to perform these functions. Allied Health Programs are open to all qualified applicants and complies with the American with Disabilities Act with section 504 of the Rehabilitation Act of 1973.

Refer to <http://www.onetonline.org/> for more information regarding technical standards.

Technical Function	Performance Standard	Essential Function
Critical Thinking	<p>The ability to tell when something is wrong or is likely to go wrong. Recognizing there is a problem.</p> <p>Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.</p> <p>Visualization – The ability to imagine how something will look after it is moved around or rearranged.</p> <p>Organizing and prioritizing work.</p>	<p>Assess the patient to determine if the patient will be able to stand. Recognize a change in the patient’s health status. Identify a patient in distress and take appropriate actions. Recognize the need for adjustment of imaging procedures based on patient condition (trauma, difficulty breathing in various positions, pain). Evaluate image and determine which measures to take to correct positioning or process to improve image quality. Positioning patient while visualizing how the body part will look on the image based on the patient and x-ray tube position. Determine which patient has priority during multiple requests for x-ray.</p>
Interpersonal	<p>Being aware of others’ reactions and understanding why they react as they do.</p> <p>Explain procedures and observe patients to ensure safety and comfort during exam.</p> <p>Provide assistance in dressing or changing seriously ill, injured, or disable patients.</p> <p>Job requires being sensitive to others’ needs and feelings and being understanding and helpful on the job.</p>	<p>Interact appropriately with patients when they are in pain, upset, under the influence of drugs, or mentally challenged.</p> <p>Communicate in a respectful manner, clearly explaining procedure and making efforts to ensure patient comfort and safety.</p> <p>Assisting patients with personal needs as required. Cleaning patient after bowel movement. Assisting patients as needed to change into patient gown, removing artifacts, etc.</p>

	<p>Job requires preferring to work with others rather than alone, and being personally connected with others on the job.</p> <p>Job requires being pleasant with others on the job and displaying a good-natured, cooperative attitude.</p>	<p>Willingness to help other workers with patients or other work. Working as a team to move patients and complete work.</p> <p>Greet patients pleasantly and with respect.</p>
Communication	<p>The ability to communicate information and ideas in speaking so that others will understand. The ability to speak clearly so that it is understandable to the listener.</p>	<p>In English, clearly explain procedure to the patient in terms the patient can understand. Give instructions to the patient throughout the procedure and following the procedure. Utilize interpretations services when patients do not speak English.</p>
Physical Ability	<p>Performing physical activities that require moving one's whole body, such as in climbing, lifting, balancing, walking, stooping where the activities often also require considerable use of the arms and legs, such as in the physical handling of materials.</p> <p>Static Strength – The ability to exert maximum muscle force to lift, push, pull, or carry objects. Dynamic Strength – The ability to exert muscle force repeatedly or continuously over time. This involves muscular endurance and resistance to muscle fatigue.</p>	<p>Transport patients using wheelchairs, stretchers, and/or beds. Bend to lock wheelchair brakes. Stoop to move foot rests out of the way so the patient may walk without tripping. Assist with moving bedridden patients from bed to x-ray table. Provide support for patients as they step up to sit on x-ray table, as they lie down or sit up. Roll patients side to side.</p> <p>Carry multiple x-ray cassettes.</p> <p>Push portable x-ray equipment.</p>
Mobility	<p>Using one's own hands and arms in handling, installing, forming, positioning, and moving materials or in manipulating things.</p>	<p>Reach both arms above shoulder height to move x-ray tube into position. Reach around and behind patient to place cassette, sponges, or other positioning tools.</p>
Motor Skills	<p>Finger Dexterity – The ability to make precisely coordinated movements of the fingers of one or both hands to grasp,</p>	<p>Move x-ray tube into position using both hands, grasping handles, controlling locks with thumbs.</p>

	<p>manipulate, or assemble very small objects.</p> <p>Manual Dexterity – The ability to quickly move your hand, your hand together with your arm, or your two hands to grasp, manipulate, or assemble objects.</p>	<p>Insert needle into vein for contrast injection.</p> <p>Stabilize patient if they are unsteady.</p>
Hearing/Listening	<p>The ability to detect or tell the difference between sounds that vary in pitch and loudness.</p> <p>The ability to tell the direction from which a sound originated.</p> <p>Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.</p> <p>Take thorough and accurate medical histories.</p>	<p>Identify alarms on medical equipment. Hear pitch change when taking manual blood pressure.</p> <p>Identify location of patient calling for help.</p> <p>Listening to instructors or technologists instructions. Clarifying information not thoroughly understood. Obtain appropriate clinical information from patient.</p>
Visual Ability	<p>Near vision – The ability to see detail at close range.</p> <p>Far vision – The ability to see details at a distance.</p>	<p>Notice changes in patient status (blue lips, hives, lack of respiration). Evaluate image diagnostic quality on computer screen.</p> <p>Ability to recognize incorrect tube angle after stepping back.</p>
Tactile Ability	<p>Take vital signs.</p> <p>Positioning.</p>	<p>Feel pulse.</p> <p>Ability to feel boney positioning landmarks.</p>
Professional Presentation	<p>Job requires being reliable, responsible, and dependable and fulfilling obligations.</p> <p>Job requires maintaining composure, keeping emotions in check, controlling anger, and avoiding aggressive behavior, even in very difficult situations.</p>	<p>Be punctual to classes and clinical sites. Avoid absences and schedule changes as much as possible.</p> <p>Maintain composure with upset patients.</p>

	<p>Job requires being honest and ethical.</p> <p>Job requires accepting criticism and dealing calmly and effectively with high stress situations.</p> <p>Job requires a willingness to take on responsibilities, challenges.</p> <p>Special uniform.</p>	<p>Protect patient privacy. Obtain permission to touch patient. Be honest with time sheets, during testing.</p> <p>Accept critique from experienced technologists and physicians without becoming defensive.</p> <p>Attempt challenging exams.</p> <p>Wear appropriate uniform and follow dress code.</p>
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