



Allied Health Division Technical Standards

Radiography

Purpose Statement

All students in the Radiography Program are expected to meet certain technical standards which are essential for successful completion of all phases of the program, and which reflect industry requirements and standards. To verify the student's ability to perform these essential functions, students may be required to demonstrate the technical standards below.

Meeting these technical standards does not guarantee employment in this field upon graduation. Ability to meet the program's technical standards does not guarantee a student's eligibility for any licensure, certification exam, or successful completion of the program.

Technical Standard	Definition of Standards	Examples
Critical Thinking/Problem Solving Skills	Ability sufficient for clinical judgment.	<ul style="list-style-type: none"> • Utilize radiographic concepts as a basis for determining patient acuity and/or cognitive ability in order to achieve the best possible images. • Apply positioning and technical factors taught in the classroom to the clinical setting. • Be able to modify conventional x-ray positioning processes due to patient condition. • Assimilate knowledge learned in the classroom and put into practice in the clinical setting. • Demonstrate skills to remain calm and professional in an emergency/stressful situation. • Adapt rapidly to changing environments/stress.
Interpersonal Skills	Abilities sufficient to interact with individuals, families and groups from a variety of social, emotional, cultural and intellectual backgrounds.	<ul style="list-style-type: none"> • Establish rapport and communicate with fellow students, instructors, patients, patient's family, and other healthcare personnel. • Respect and care for clients whose appearance, condition, beliefs, and values may conflict with your own. • Deliver patient care regardless of client's race, ethnicity, age, gender, religion, sexual orientation, or diagnosis. • Establish and maintain professional boundaries. • Exhibit ethical behavior and exercise good judgement.

Technical Standard	Definition of Standards	Examples
Communication Skills	Abilities sufficient for interaction with others in verbal and written form.	<ul style="list-style-type: none"> • Give verbal directions and/or follow verbal directions from other members of the healthcare team. • Participate in health care team discussions of patient care. • Convey information to patients and others as necessary to teach and direct in an accurate, effective, and timely manner. • Be aware of patient's understanding or lack thereof, medical terms. • Elicit and record information about health history and current health state from patients and family members. • Observe and interpret nonverbal cues.
Coping Skills	Ability to cope with stressful situations	<ul style="list-style-type: none"> • Ability to control emotional behavior. • Ability to deal with the stressors of patient's injuries, family reactions, and death. • Ability to remain calm in stressful situations.
Mobility/Motor Skills	Physical abilities sufficient to move in one's environment with ease and without restriction	<ul style="list-style-type: none"> • Move around in work and treatment areas. • Maneuver in small spaces. • Ability to maintain a minimum of 18 inches from personnel and equipment in a small space. • Full range of motion to twist/bend, stoop/squat, and reach forward/reach overhead. • Possess the ability to maneuver x-ray equipment with both hands. • Manually resuscitate clients in emergency situations. • Stand and/or walk up to 12 hours per day with limited breaks. • Maneuver C-arm and O-arm equipment. • Carry, lift, and position x-ray detector. • Transfer patients from wheelchair or stretcher onto x-ray table. • Push/pull 100 pounds or greater. • Possess physical abilities to lift/move 75 lbs. • Possess physical abilities to lift 75 lbs. from knuckle height, bench height, ankle height, and shoulder height. • Possess the physical abilities to wear a leaded apron for an extended amount of time. • Ability to go up and down a flight of stairs several times a day.

Technical Standard	Definition of Standards	Examples
Auditory Skills	Auditory abilities sufficient to monitor and assess health needs.	<ul style="list-style-type: none"> • Hear patients, family members, and health care professionals when they speak to you. • Hear muffled speaking sounds from several feet away due to surgical or oxygen masks. • Hear auditory alarms (monitors, fire alarms, call bells). • Hear cries for help. • Hear blood pressure and heart sounds with use of stethoscope.
Visual Skills	Visual ability sufficient for observation and assessment necessary in the healthcare field.	<ul style="list-style-type: none"> • Possess the ability to observe patient status, behaviors, and responses. • See a change in skin color • Read calibrations on a syringe. • See objects up to 20 feet away. • Read electronic medical record and/or associated paper medical records. • Possess the ability to differentiate shades of grey. • Possess the ability to work in dimly lit rooms.
Tactile Skills	Tactile ability sufficient for physical assessment.	<ul style="list-style-type: none"> • Perform functions of the physical assessment and/or those related to therapeutic intervention (e.g. palpation of pulse, detect temperature changes). • Performs palpation of anatomical landmarks during patient positioning, as well as vessels for contrast injections. • Utilizes touch-screens and computer keyboards for data input.
Environmental	Possess the ability to tolerate environmental stressors.	<ul style="list-style-type: none"> • Safely work with potentially harmful chemicals used in health care settings. • Practice standard precautions in the clinical setting. • Work in areas that are close, crowded, and/or noisy. • Anticipate exposure to blood, communicable diseases, body fluids, and toxic substances. • Accept that you will be exposed to radiation and magnetic fields. • Accept you will need to be able to ride in elevator with large equipment, people, and sick people
Emotional/Behavioral	Possess emotional stability sufficient to maintain composure in stressful situations and assume responsibility / accountability for actions.	<ul style="list-style-type: none"> • Adapt rapidly to changing environment and/or stress. • Calmly receive feedback. • Appreciate constructive feedback.

Technical Standard	Definition of Standards	Examples
		<ul style="list-style-type: none"> • Demonstrate honesty and integrity beyond reproach. • Follow rules of professional conduct. • Demonstrate an intellectual curiosity, enthusiasm, and initiative. • Perform exams with accuracy and maintain organization under stressful circumstances, such as increased workload, difficult patient, instrument malfunction, emergent situation, etc. • Demonstrate emotional intelligence to remain calm and professional in an emergent and stressful atmosphere. • Deliver adequate patient care regardless of patient' race, ethnicity, age, gender, religion, sexual orientation or diagnosis. • Demonstrate a positive, respectful attitude toward all patients, peers, and other healthcare workers regardless of appearance, condition, or beliefs. • Present self in a composed, respectful manner in all situations and with all persons. • Adapt to changes in work environment. • Demonstrate ethical behaviors as set forth by the ARRT. • Take responsibility for ones actions.

In the case of an otherwise qualified individual with a documented disability, appropriate and reasonable accommodations will be made unless to do so would fundamentally alter the essential training elements, cause undue hardship, or produce a direct threat to the safety of the patient or student.

Asheville-Buncombe Technical Community College is invested in full compliance with the Americans with Disabilities Act (ADA). Support Services is part of Student Services and is located in the K. Ray Bailey Student Services Center. For detailed information or to request accommodations visit www.abtech.edu/supportservices. An appointment is recommended prior to enrollment in order to discuss any special concerns.