

**ASHEVILLE BUNCOMBE TECHNICAL COMMUNITY COLLEGE**

**ALLIED HEALTH DIVISION FUNCTIONAL ABILITIES**

**Medical Sonography**

A prospective sonography candidate must demonstrate the physical and psychological ability to provide safe, competent patient care. Every prospective student must assess his or her ability prior to choosing sonography as a career. To understand the physical and psychological qualifications needed for successful sonographers, the functional abilities have been listed below.

In the case of a 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.

Students must certify the ability to meet the functional abilities of the profession by a signed statement in the beginning of the program.

<b>ISSUE</b>	<b>STANDARD</b>	<b>EXAMPLES (program specific)</b>
<b>CRITICAL THINKING</b>	Ability sufficient for clinical judgment.	Utilize sonographic 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.
<b>INTERPERSONAL SKILLS</b>	Abilities sufficient to interact with individuals, families and groups from a variety of social, emotional, cultural and intellectual backgrounds.	Establish rapport with patients, instructors and colleagues. Conduct themselves in a composed, respectful manner in all situations and with all persons. Demonstrate skills to remain calm and professional in an emergency/stressful situation. Adapt rapidly to changing environment/stress
<b>COMMUNICATION</b>	Abilities sufficient for interaction with others in verbal and written form.	Give verbal directions to or follows verbal directions from other members of the healthcare team and participate in health care team discussions of patient care Elicit and record information about health history and current health state from patients or family members Recognize and report critical patient information to other

ISSUE	STANDARD	EXAMPLES (program specific)
		caregivers
<b>MOBILITY</b>	Physical abilities sufficient to move in one's environment with ease and without restriction.	Possess physical abilities sufficient to move from room to room and maneuver in small spaces; full range of motion to twist/bend, stoop/squat, and reach forward/reach overhead; and stand and walk for extensive periods of time. Possess physical abilities to lift 75 lbs. while performing the following activities frequently – carrying, pushing and pulling from cart height, pushing and pulling from shoulder height. Possess physical abilities to lift 75 lbs. while occasionally lifting from static knuckle height, bench height, ankle height and shoulder height. Possess the physical abilities to wear a leaded apron.
<b>MOTOR SKILLS</b>	Gross and fine motor abilities sufficient to provide safe and effective xxx skills.	Assist in turning and lifting patients. Possess gross and fine motor skills sufficient to provide safe and effective care, position patients, and manipulate equipment. Possess the physical abilities to move fingers and manipulate objects rapidly and quickly.
<b>HEARING</b>	Auditory abilities sufficient to monitor and assess health needs.	Hear normal speaking level sounds Hear auscultatory sounds Hear auditory alarms (monitors, fire alarms, call bells)
<b>VISUAL</b>	Visual ability sufficient for observation and assessment necessary in xxx	Possess the ability to observe patient status, behaviors, and change in skin color Possess the ability to read digital medical records and equipment settings Possess the ability to see close up and far away Possess the ability to differentiate shades of grey Possess the ability to work in

ISSUE	STANDARD	EXAMPLES (program specific)
		dimly lit rooms
<b>TACTILE</b>	Tactile ability sufficient for physical assessment.	Performs palpation of anatomical landmarks during patient positioning, as well as vessels for contrast injections. Utilizes touch-screens and computer keyboards for data input.
<b>ENVIRONMENTAL</b>	Possess the ability to tolerate environmental stressors.	Adapts to a variety of clinical settings and equipment. Works in small areas that may be crowded and/or noisy. Practices Standard Precautions and sterile techniques. May be exposed to communicable diseases, body fluids, toxic substances, and/or medicinal preparations. Adjusts to working in extreme temperatures, dependent on procedure or patient condition.
<b>EMOTIONAL</b>	Possess emotional stability sufficient to maintain composure in stressful situations and assume responsibility / accountability for actions.	Follow rules of professional conduct set forth in handbook 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, emergency 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

ISSUE	STANDARD	EXAMPLES (program specific)
		Demonstrate a positive, respectful attitude toward all patients, peers, and other healthcare workers regardless of appearance, condition, or beliefs Appreciate constructive feedback 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 SDMS Take responsibility for his/her actions

Asheville-Buncombe Technical Community College is invested in full ADA compliance. The Disability Services Office is part of the K Ray Bailey Student Services Center. For detailed information contact the Disability Support Services Office at [supportservices@abtech.edu](mailto:supportservices@abtech.edu) or (828) 398-7581. An appointment with the Disability Services Coordinator is recommended in order to discuss any special concerns.