

Essential Functions/Technical Skills

These functions represent the essential nonacademic requirements that a student must demonstrate to successfully participate in the Radiologic Science degree program.

An applicant and candidate for the Radiologic Science bachelor's degree with a concentration in Diagnostic Medical Sonography must have demonstrated aptitude, abilities, and skills in the following categories: sensory, communication, physical/mobility, cognitive, and behavioral/social. All students admitted/completing the program must meet, with or without reasonable accommodation, the following technical standards.

Sensory

- Observe patients and equipment operation during procedures, as well as read the patient's reports and medical information.
- Receive verbal communication from patients and members of the healthcare team.
- Assess the health needs and/or status of people directly or with the use of monitoring devices.
- Visual acuity in normal to dim lighting for visual analysis of images on a monitor and safe movement of patients and self.
- Visual depth perception to safely manipulate equipment.
- Accurately observe and distinguish subtle visual and auditory changes in the patient, health professional, and equipment
- Tactile (touch) sensitivity to obtain information from patients by palpation and other diagnostic maneuvers.

Communication

- Communicate effectively and efficiently with faculty, fellow students, health care providers, patients, and their families, in English in both written and verbal forms.
- Effectively and efficiently communicate verbally in the clinical setting.

Physical/Mobility

- Physical strength to lift, transfer, stabilize and/or move patients
- Physical strength to lift, move, reach, or push equipment.
- Manual dexterity and ability to bend/stretch.
- Hand/eye coordination to operate equipment while observing patients.

Essential Functions/Technical Skills

- Manipulate small objects with fingertips or adaptive devices.
- Stand or walk for prolonged periods of time as required in the clinical setting.
- Physically bend, crouch, or stoop for long periods of time in the clinical setting.
- Safely maneuver in the clinical setting (for example, within small spaces).

Cognitive

- Comprehend and execute verbal and written communications in English.
- Measure, calculate, reason, analyze, and synthesize to solve problems.
- Recall, understand, and apply basic scientific principles and methods.

Behavioral/Social

- Adapt and function effectively in stressful, changing, and uncertain environments.
- Provide physical and emotional support to the patient during procedures and be able to respond quickly to situations requiring basic life support and emergency care of the patient in the absence of, or until the physician arrives.
- Tolerate and function effectively under stress, time constraints, and distracting conditions for prolonged periods.
- Demonstrate integrity, responsibility, tolerance, and respect and follow all policies, regulations, and laws related to clinical practice.
- Adapt to changing environments and display flexibility in the practice setting.