



**TECHNICAL STANDARDS**  
**Radiologic Sciences and Imaging Program –**  
**Diagnostic Medical Sonography (general, Vascular, Cardiac) Track**

The Cox College Radiologic Sciences and Imaging (RSI) Program - Diagnostic Medical Sonography track has established technical standards and performance criteria which are necessary for the safe and effective participation in and completion of their academic and clinical program. All students entering and continuing in the Cox College RSI Program -Diagnostic Medical Sonography (general, Vascular, Cardiac) track must meet all of the following technical standards, with reasonable accommodation if necessary, and each student will be expected to sign a form certifying that he or she has read, understands, and is able to meet the standards, with or without reasonable accommodation. In the event a student is unable to fulfill the technical standards, with or without reasonable accommodation, the student will not be admitted into, or allowed to progress through, the program. The College may require that a student undergo an evaluation to ascertain whether these technical standards can be met with reasonable accommodation, if necessary. NOTE: The use of an intermediary, including, but not limited to, personal aids, assistants, caregivers, readers, and interpreters, that would require a student to rely on someone else's power of selection, detection, observation, and communication will not be permitted.

**Physical Requirements**

- Stand and walk for 85% of work time
- Lift more than 50 pounds routinely
- Have full use of both hands, wrists, and shoulders to maintain prolonged positions necessary for scanning and performing fine motor skills
- Transport, move, and/or lift patients from a wheelchair or stretcher to the ultrasound table or patient bed, and physically assist patients into proper examination positions
- Move, adjust and manipulate a variety of ultrasound equipment to other areas of a facility to perform studies
- Use senses (vision, hearing, and touch) to adequately view sonograms including
  - color distinctions
  - distinguish audible sounds
  - perform hand/eye coordination skills required in sonographic examinations
  - recognize changes in patient conditions and needs
- Be able to hear, understand, and react to verbal instructions and patient needs, including but not limited to hearing codes, alarms, and patient calls
- Work in a semi-darkened room for extended periods of time
- Be physically capable of carrying out all assigned duties

**Mental and Intellectual Requirements**

- Communicate effectively, verbally and non-verbally, with patients and other healthcare professionals in order to explain procedures, give instructions, and obtain information

- Perform sonographic examinations and procedures in the proper sequence according to established standards
- Apply problem solving skills in obtaining diagnostic images while providing care to the patient
- Be able to view recorded images for the purpose of identifying proper protocol, procedural sequencing, technical qualities, and identification of pathophysiology
- Follow directions effectively and work closely with healthcare professionals

### **Emotional Requirements**

- Interact compassionately and effectively with patients who are sick or injured as well as family members
- Provide physical and emotional support to the patient during sonographic procedures and be able to respond to situations requiring basic first aid, patient care, and emergency care of the patient in the absence of, or until the physician arrives
- Meet the demands of the position including handling stressful situations related to technical and procedural standards and patient care situations
- Demonstrate a high level of compassion for others, a motivation to serve, integrity, and a consciousness of social values
- Maintain professionalism and compassion with all patients, family members, and visitors of all socioeconomic, ethnic, and religious backgrounds
- Handle and adapt to changing environments and stressful situations while maintaining professionalism

*(Adapted from American Institute of Medical Sciences & Education (AIMS) and Lifespan School of Medical Imaging)*



### **Notice Regarding Program Standards and Functional Abilities**

The Cox College Radiologic Sciences and Imaging (RSI) Program - Diagnostic Medical Sonography track has established technical standards and performance criteria which are necessary for the safe and effective participation in and completion of their academic and clinical program. All students are required to meet and fulfill these essential functional and academic requirements, with or without reasonable accommodations.

If you anticipate requiring an accommodation to allow you to meet the technical and functional ability standards required for the academic and clinical programs, please submit your request to the Director of Student Services at the earliest opportunity possible. The Cox College RSI Program will work with students to determine the feasibility of accommodations, if necessary, that do not create safety risks or fundamentally alter the essential functions of the programs. A student's ability to satisfy the technical and functional ability standards is evaluated on an individual and ongoing basis. Completion of one phase of the program does not guarantee or determine a student's ability to progress to the next phase of the program. In the event a student cannot satisfy the program standards and is not qualified for the program, with or without reasonable accommodations, they will not be admitted to or allowed to progress through the program.

Please acknowledge your understanding of this policy statement below with your signature.

*I have read the Notice Regarding Program Standards and Functional Abilities above, and I am aware of the standards and functional abilities required for entrance into and completion of the Nursing and Health Sciences programs.*

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*(Signature of Applicant)*

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*(Date)*