



## **Technical Standards**

The Diagnostic Medical Sonographer utilizes high-frequency sound waves and other diagnostic techniques for medical diagnosis. The professional level of this health care service requires highly skilled and competent individuals who function as integral members of the health care team. The Diagnostic Sonographer must be able to produce and evaluate ultrasound images and related data that are used by physicians to render a medical diagnosis. The Diagnostic Sonographer must acquire and maintain specialized technical skills and medical knowledge to render quality patient care.

**In the professional courses that are required, as well as in the career field of sonography, the student and sonographer must have the ability to:**

- Stretch, bend, reach, rotate and turn in small areas to perform an exam
- Basic keyboard functions and proficient typing skills
- Transfer of patients from wheelchair to stretcher, and return back to wheelchair
- Perform routine portable exams pushing the Ultrasound equipment, weighing between 200- 600 pounds
- Ability to lift 55 pounds
- Lift and transfer of a 3- foot tall aluminum oxygen tank
- Ability to turn small knobs and other ultrasound attachments
- Assist during invasive procedures, apply sterile gloves properly
- Must be able to differentiate colors, while performing Doppler exams
- Perform Doppler exams, sonographers are required to distinguish Doppler shift patterns
- Ability to work in a semi-dark room
- Ability to verbally communicate with patients, physicians and/or any allied health care workers
- Stand or sit for extended periods of time
- Drive long distances to clinical sites, up to but not limited to 2 hours of time each way
- The lecture portion of the DMS program requires students to read and comprehend numerous medical textbooks, articles and other various content
- Perform CPR
- Assume responsibility of the patient's safety
- Use proper ergonomics for positing patient's, handling equipment to prevent musculoskeletal injuries
- Apply ethical and professional judgement unaccompanied
- Adhere to all Clinical Affiliates' policies and procedures
- Demonstrate professionalism at all times, including establishing a professional working relationship with the health care team, peers, instructors, patients, and families