

**SOUTHEAST TECHNICAL INSTITUTE (STI)**  
**CARDIOVASCULAR TECHNOLOGY – VASCULAR ULTRASOUND**  
**TECHNICAL STANDARDS**

To assist in making a decision about pursuing this program, the following is a general overview of the physical requirements, working conditions and job duties of Vascular Sonographers and Technologists.

**Vascular Sonographers/Technologists**

Those who assist physicians in the diagnosis of disorders affecting the circulation are known as Vascular Sonographers or Technologists. They perform a medical history, evaluate pulses and assess blood flow in arteries and veins by listening to the vascular flow sounds for abnormalities. Then they perform a noninvasive procedure using ultrasound instrumentation to record vascular information such as vascular blood flow, blood pressure, change in limb volume oxygen saturation, cerebral circulation, peripheral circulation, and abdominal circulation. Some of these tests are performed during or immediately after surgery. Hours are generally daytime hours with some weekends, holidays and call time is expected for emergency procedures. Vascular Sonographers may work within a hospital/clinic setting or on a mobile unit. They must be able to explain procedures to the patient prior to testing, and able to explain preliminary test results to physicians following procedures. Most hospitals/clinics will require a registry from credentialing agencies such as Cardiovascular Credentialing International and/or American Registry of Diagnostic Medical Sonographers.

**Vascular Sonographers/Technologists are expected to have the ability to:**

- regularly talk and hear
- regularly sit; reach with hands and arms; use hands and fingers to handle and feel
- regularly possess fine finger dexterity
- regularly use high degree of hand-eye coordination to manipulate equipment, while simultaneously inputting data into a machine or working with a patient
- regularly communicate effectively via speech, reading, and writing
- frequently required to stand, walk, kneel, bend/stoop, squat
- frequently see images from monitors; distinguish multiple shades of gray and colors
- frequently distinguish audible (Doppler) sounds
- occasionally lift and/or move or use pushing/pulling force up to 75 pounds
- occasionally reach above shoulder level

\*Source: [www.bls.gov](http://www.bls.gov) and local job descriptions

**By signing below, I am acknowledging I have read the above information and understand the general physical requirements, working conditions and job duties typically associated with Vascular Sonographers and Technologists. I understand that this information is general in nature and that actual conditions and job duties may vary.**

**Print Name:** \_\_\_\_\_

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

