

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 Cardiac Sonographers and Technologists.

### **Cardiac Sonographers/Technologists**

Cardiac Sonographers/Technologists perform non-invasive tests using ultrasound instrumentation, such as Doppler ultrasound. The ultrasound instrumentation transmits high-frequency sound waves (called echocardiograms) to examine heart chambers, valves and vessels. Cardiac Sonographers/Technologists may also perform electrocardiographs (EKGs). They take a basic EKG, which traces electrical impulses transmitted by the heart. Technicians attach electrodes to the patient's chest, arms and legs and then manipulate switches on an EKG machine to obtain a reading. This test is done before most kinds of surgery or as part of a routine physical examination, especially on a person who has reached middle age or who has a history of cardiovascular problems.

Work hours are generally daytime hours with some weekends, holidays and on-call times to be expected for emergency procedures. Cardiac Sonographers may work within a hospital/clinic setting or on a mobile unit. They must be able to explain procedures to patients prior to testing, as well as explain preliminary test results to the 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.

### **Cardiac Sonographers/Technologists are expected to have the ability to complete the following:**

- Regularly talk and listen
- Regularly communicate effectively via speech, reading and writing
- Regularly sit, reach with hands and arms, use hands and fingers to handle instrumentation
- Regularly possess fine finger dexterity and good hand-eye coordination
- Regularly use high degree of hand-eye coordination to manipulate equipment while simultaneously inputting data into a machine or working with a patient
- Frequently stand, walk, kneel, bend/stoop and squat
- Frequently see images from monitors; distinguish multiple shades of gray and color
- Routinely discern small numbers and gauges on medical equipment in dimly lit conditions; extreme attention to detail
- Frequently distinguish audible (Doppler) sounds
- Occasionally lift and/or move or use pushing/pulling force for up to 75 pounds
- Occasionally reach above shoulder level

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

## Background Check, Drug Screen and Required Immunization Disclosure Statement

1. I understand and acknowledge, as a requirement for my desired program, I must successfully pass a drug screening, criminal background check or both at my own expense by the date given to me by Southeast Tech.
2. I understand that failure to pass the drug screening, background check or both by this date may result in my immediate termination from the program.
3. I understand the results of a drug screening, criminal background check or both may affect my eligibility to continue in the program. Furthermore, I understand that the results of a drug screening, background check or both may also affect my eligibility to attend a clinical or internship site and/or my eligibility to take specific courses in my program.
4. I understand the results of a drug screening, criminal background check or both may affect my eligibility to take a board/certification exam or gain employment in my desired program career field.
5. I understand any incident reported on my criminal background check may require additional expense and documentation submission for certification exam approval prior to the start of core program courses.
6. I understand that additional immunizations may be required as a healthcare student or by my clinical site, and that I am responsible for providing any required documentation to Southeast Tech.

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

Name \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_