

CVTECH-102: Introduction to Cardiovascular Technology

Course Description:

This course will introduce distinctive areas of Cardiovascular Technology and the role of the technologist. Topics include invasive and noninvasive procedures, department orientation, medical terminology, blood-borne pathogens, medical ethics, emergent situations and nonpatient-related emergencies. Research papers on a variety of related topics and a group project will be required. Guest speakers and site visits to local health care/diagnostic facilities may be scheduled.

Total Credits: 2.00

Course Competencies

- 1. Trace the historical aspects of CVT**
- 2. Summarize the basic organization of CV departments including roles, function and primary & ancillary duties of all personnel**
- 3. Outline the steps taken in non-patient emergencies**
- 4. Outline initial and ongoing credentialing process, post graduate continuing education and professional organizations**
- 5. Explain safety regulations regarding bloodborne pathogens**
- 6. Work as a member of a CVT team**
- 7. Respect patient's rights and needs following standard hospital policy**
- 8. Utilize mathematics in converting time, weight and temperature from English to metric units**
- 9. Classify the types of procedures commonly performed in CVT departments**
- 10. Examine HIPAA**
- 11. Research a CVT topic of your choice**