Workforce Development Degree

The Cardiovascular Technology (CVT) Associate Degree in Applied Science is designed to prepare individuals with the knowledge, skills and behaviors that are required for the performance of a successful cardiovascular technologist. Cardiovascular technologists are health care professionals, under the direction of a qualified physician, who are concerned with the diagnosis and treatment of patients with congenital and acquired heart and blood vessel disease. The invasive cardiovascular technologist is a member of the cardiac catheterization team and assists with coronary angiography, percutaneous coronary intervention, right heart catheterizations, and the implantation of arrhythmia management devices. The studies performed in these areas are used by the cardiologist to evaluate patients for cardiovascular disease and develop comprehensive treatment plans.

Degree Awarded: Associate in Applied Science

General Education Requirements Credit Hours: 29

Communication 9 hours
ENGL 1113 Composition I
*ENGL 1213 Composition II
and
SPCH1113 Speech Communication I

History 3 hours
HIST 1483 U.S. History 1492 to Civil War Era
or
HIST 1493 U.S. History Civil War Era to Present

Mathematics 3 hours
*MATH 1473 Math for Critical Thinking

U.S. Government 3 hours
POLS 1113 American Federal Government

Science 8 hours
#BIOL 1314 Human Anatomy and Physiology
CHEM 1114 Principles of Chemistry

Psychology 3 hours
PSYC 1113 Introduction to Psychology

Specialized Course Requirements Credit Hours: 44 hours

Allied Health: 3 hours
#ALDH 1323 Medical Terminology

Cardiovascular Technology Core Curriculum: 22 hours
*CVTC 1002 Introduction to Cardiovascular Technology
*CVTC 1013 Cardiovascular Anatomy and Physiology
*CVTC 1023 Cardiovascular Pharmacology
*CVTC 1034 Cardiovascular Skills Practicum
*CVTC 1044 Cardiovascular Pathophysiology
*CVTC 1053 Rhythm Analysis and EKG Interpretation
*CVTC 1063 Clinical Practicum I

Invasive Cardiology Emphasis Course Requirements Credit Hours: 19
*CVTC 2103 Invasive Procedures I
*CVTC 2113 Radiology/Electrophysiology
*CVTC 2125 Clinical Practicum II
*CVTC 2133 Invasive Procedures II
*CVTC 2145 Clinical Practicum III

Total Credit Hours: 73
*Course has prerequisite (See course description section of catalog).
#Prerequisite for Program admission

For More information, contact:
Allied Health Services Division at Metro Campus
(918)596-7002