

CARDIOVASCULAR TECHNOLOGY (CVT)

CVT 200 Advanced Cardiac Life Support (1 credit)

CVT 202 Intro to Rad Physics & Safety (1 credit)

Students will study the science of x-ray imaging and the basics of radiation safety and protection for patients and health care workers.

CVT 203 Rhythm & 12 Lead ECG Analysis (3 credits)

Students will learn to analyze and interpret cardiac rhythms.

CVT 204L Cardiovascular Simulation Lab (1 credit)

Students will apply entry level skills to perform diagnostic procedures in a simulated cardiac lab environment and will be introduced to other cardiac care areas within the health system.

Prerequisites: CVT 205 (may be taken concurrently)

CVT 205 Cardiac Invasive Procedures (3 credits)

Students will learn necessary skills to enter and safely function in the cardiovascular lab.

Prerequisites: CVT 204L

CVT 206 Cardiac A&P (3 credits)

Students will enhance their knowledge of cardiac and vascular anatomy.

Restrictions: Enrollment is limited to Undergraduate Day Division level students.

CVT 207 Advanced Procedures (3 credits)

Students will be introduced to the equipment, mechanics, function and deployment of interventional equipment.

Prerequisites: CVT 205

Restrictions: Enrollment is limited to Undergraduate Day Division level students.

CVT 208 Introduction to Radiology (2 credits)

Students will study the science of x-ray imaging and the resultant biological effects to patients and health care workers.

Restrictions: Enrollment is limited to Undergraduate Day Division level students.

CVT 212 Cardiovascular Clinical I (6 credits)

Students will apply theoretical concepts to clinical practice, while performing procedures to demonstrate competence.

Prerequisites: (HSC 160 or CVT 203) and CVT 204L and CVT 205

CVT 215 Clinical I (4 credits)

Students will apply theoretical concepts to clinical practice, while performing procedures to demonstrate competence.

Prerequisites: (HSC 160 or CVT 203) and CVT 204L and CVT 205

CVT 216 Cardiac Device Theory (3 credits)

Students will learn the fundamentals of internal cardiac devices.

Prerequisites: CVT 225

CVT 217 Cardiovascular Hemodynamics (3 credits)

Students will learn normal and abnormal hemodynamic waveforms, provide analysis and perform hemodynamic calculations.

Prerequisites: CVT 205

CVT 218 Implantable Cardiac Device (3 credits)

Students will learn the fundamentals of internal cardiac devices.

Prerequisites: CVT 215

CVT 219 Cardiac Arrhythmia Therapies (3 credits)

Students will build upon their knowledge of cardiac rhythms and identify best practices for the treatment of cardiac arrhythmias.

CVT 221 Cardiac Arrhythmias & Treatment (3 credits)

Students will build upon their knowledge of cardiac rhythms and identify best practices for the treatment of cardiac arrhythmias.

Prerequisites: CVT 215

CVT 222 Cardiovascular Clinical II (6 credits)

Students will build upon prior clinical practice and apply theoretical concepts while performing procedures to master skills and demonstrate competence in the cardiovascular lab and electrophysiology lab.

Prerequisites: CVT 212

CVT 225 Cardiac Pharmacology (3 credits)

Students will learn the fundamentals of pharmacology and the most frequently used drugs in the cardiovascular laboratory.

Prerequisites: CVT 217

CVT 228 Radiation Biology (1 credit)

Students will study the damage electromagnetic

Prerequisites: CVT 202

CVT 230 Clinical II (5 credits)

Students will build upon prior clinical practice and apply theoretical concepts while performing procedures to master skills and demonstrate competence.

Prerequisites: CVT 215

CVT 232 Cardiovascular Clinical III (3 credits)

Students will continue to apply theoretical concepts and build upon prior clinical experiences to master skills to become competent in select procedures

Prerequisites: CVT 222

CVT 235 Clinical III (6 credits)

Students will continue to apply theoretical concepts and build upon prior clinical experiences to master skills to become competent in select procedures.

Prerequisites: CVT 230