

# Program Information

# CARDIOVASCULAR SONOGRAPHY



Kansas City, MO

## Program Mission & Overview

The mission of the Cardiovascular Sonography program is to provide undergraduate students with academic and clinical foundations to competently perform as entry-level Cardiovascular Sonographers that provide quality patient care, actively participate in the profession, and pursue life-long learning. Cardiovascular Sonographers are skilled professionals in the medical field that use sound waves for the evaluation of the human anatomy of cardiovascular system. They are a part of an integral health care team requiring highly skilled and competent professionals.

Cardiovascular sonographers use special imaging equipment that directs sound waves into a patient's body (in a procedure commonly known as an ultrasound, sonogram, or echocardiogram) to assess and diagnose various medical conditions.

## Program Objectives

To prepare competent entry-level general sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

Graduates of this program will develop skills to:

1. Be clinically competent to perform appropriate procedures and record anatomic, pathologic, and/or physiologic data;
2. Apply critical thinking and problem solving skills to exercise discretion and judgment in performance of diagnostic sonography;
3. Demonstrate appropriate communication skills; and
4. Demonstrate professionalism and growth in the profession.

The Cardiovascular Sonography program is designed to prepare the graduate to perform cardiovascular ultrasound examinations under the direction of a physician. Upon completion of the program the graduate should have the didactic knowledge and the practical experience in Echocardiography, EKG, stress EKG, Holter monitoring, and telemetry and Vascular Ultrasound examination. The student should also be able to:

1. explain the anatomy, physiology, and pathophysiology of organ systems,
2. recognize EKG patterns of arrhythmias, myocardial infarction & ischemia,
3. demonstrate knowledge of emergency protocols, and
4. demonstrate critical thinking skills necessary for the completion of a thorough ultrasound study of the heart.

## Course List

BIOL1105*	Anatomy & Physiology Lab	CVSG2770	Cardiovascular Clinical Education II
BIOL1405*	Anatomy & Physiology	CVSG2780	Cardiovascular Clinical Education III
COMM1310*	Elements Of Human Communication	CVSG2850	Echocardiography II
CVSG1240	Echocardiography Scanning Lab I	DMSG1210	Scanning Lab I
CVSG1340	Cardiovascular Pathology	DMSG1810	Physics & Instrumentation
CVSG1640	Echocardiography I	ECGY1330	Electrophysiology
CVSG2250	Echocardiography Scanning Lab II	ENGL1310*	English Composition I
CVSG2251	Cardiovascular Pharmacology	HPRS1320*	Foundations for Health Professions
CVSG2280	Cardiovascular Registry Review	MATH1320*	College Algebra
CVSG2360	Vascular Sonography I	PHYS1310*	General Physics
CVSG2370	Vascular Sonography II	PSYC1310*	General Psychology
CVSG2760	Cardiovascular Clinical Education I	*Courses may be delivered via online education	

*Courses may vary depending on campus and location. For course descriptions, a breakdown of credit hours and other program-specific information, please review the Campus Catalogs on [concorde.edu](http://concorde.edu). For our graduation rates and other important information, visit our website at [www.concorde.edu/resources](http://www.concorde.edu/resources). Concorde cannot guarantee salary amount or employment.*