

Associate in Applied Science in Cardiovascular Technology

Program Overview

Upon completion of this degree, students will earn an A.A.S degree from Southwestern Michigan College and be eligible to sit National Board Certification Examination to become a Registered Cardiovascular Invasive Specialist (RCIS) administered by Cardiovascular Credentialing International (CCI).

To Learn More About This Program

Contact the Nursing and Health Services Office at 269-782-1236 or nhs@swmich.edu.

Degree Requirements

To earn this degree, students must have an overall GPA of 2.0 or higher, complete a minimum of 60 credit hours, and fulfill the course requirements of the program listed below. Students are permitted to complete a higher-level math course than shown below. Each general education course, prerequisite course, internship, and capstone course must be completed with a final grade of C or better.

Course Offerings

This program is part of MWTEC (Michigan Workforce Training and Education Collaboration). Students pursuing an Associate in Applied Science in Cardiovascular Technology may complete general education courses and EDUC 120 through SMC either on-campus or online, if offered. All CVT courses are completed online through MWTEC and a partner institution. All CVT courses are charged at a per credit hour rate established by MWTEC. This rate differs from the Southwestern Michigan College tuition rate.

Prerequisite Courses

COMMUNICATIONS

Course ID	Course	Credits
ENGL 103 or ENGL 103W	Freshman English II (or with workshop)	3 to 4 credits

MATHEMATICS

Course ID	Course	Credits
MATH 127 or MATH 128	College Algebra or Contemporary Mathematics	4 credits

NATURAL SCIENCE

Course ID	Course	Credits
BIOL 110	Human Biology	4 credits

SOCIAL SCIENCE

Course ID	Course	Credits
PSYC 101 or SOCI 201	General Psychology or Principles of Sociology	3 credits

OTHER

Course ID	Course	Credits
HEED 101	Medical Terminology	3 credits

Major-Specific Required Courses

Course ID	Course	Credits
EDUC 120	Educational Exploration and Planning	1 credit
CVT 100	Cardiovascular Anatomy and Physiology	3 credits
CVT 105	Orientation to Patient Care	2 credits
CVT 110	Cardiovascular Diagnostic Procedures	4 credits
CVT 112	Cardiovascular Interventional Procedures	4 credits
CVT 115	Rhythm and ECG	1 credit
CVT 120	Hemodynamics	2 credits
CVT 130	Clinical Practicum I	3 credits
CVT 205	Cardiovascular Pharmacology	1 credit
CVT 207	Intro to Electrophysiology	2 credits
CVT 210	Cardiovascular Advanced Interventional Procedures	1 credit
CVT 211	Cardiovascular Pathophysiology	3 credits
CVT 215	Radiation Physics and Protection	3 credits
CVT 220	Critical Care Applications	3 credits
CVT 230	Clinical Practicum II	4 credits
CVT 231	Clinical Practicum III	4 credits
CVT 240	CVT Board Preparation	1 credit

**Total Program Credits: 59-60
(Need 60 credits to graduate)**