



Cardiovascular Technology - Invasive, AS
Degree awarded by Harrisburg County Community College
(2020-2021 Catalog)

Student Name: _____

Advisor Name: _____

Developmental Education Courses (if required)

| English Placement | | | Math Placement | | |
|--------------------------|---------|--|--------------------------|----------|----------------------|
| <input type="checkbox"/> | ACLS025 | Academic Reading and Writing Skills I | <input type="checkbox"/> | MATH 020 | Pre-Algebra |
| <input type="checkbox"/> | ACLS026 | Academic Reading and Writing Skills II | <input type="checkbox"/> | MATH 022 | Elementary Algebra |
| <input type="checkbox"/> | ACLS050 | Introduction to Academic Literacy | <input type="checkbox"/> | MATH 026 | Intermediate Algebra |
| <input type="checkbox"/> | ENGL027 | Writing Skills Workshop | | | |

SEMESTER-BY-SEMESTER PROGRAM MAP FOR FULL-TIME STUDENTS

Courses are listed in preferred order of completion

Plans can be modified to fit the needs of part-time students by adding more semesters

Choose your courses with your Success Navigator or Faculty Advisor.

Program Entry Requirements - Application, Selection, and Admission of Students

1. Students must meet the following ELIGIBILITY CRITERIA to be considered for selective admission into HACC's Invasive Cardiovascular Technology or Cardiac Sonography clinical courses. Applicants must:
 - a. Meet with the Cardiovascular Technology Program Director to discuss the academic and clinical requirements of the program and be informed of the selection process for enrollment in the CVT courses. The meeting is mandatory and must be completed by April 15 prior to the intended Fall entry. HACC will verify receipt and evaluation of transcripts by April 15 of the Spring semester prior to the intended Fall entry date.
 - b. Show evidence of completion or course registration in Anatomy & Physiology I and II with a C or better.
 - c. Meet all HACC requirements and deadlines pertaining to application for admission, payments, etc.
 - d. Once accepted into the program, NCC students will be admitted to HACC and be considered HACC students.
2. Selection for the program will be determined in the following manner:
 - a. NCC students will be treated as a separate cohort for admission to the program.
 - b. Only students who meet the minimum required score will be eligible for selection.
 - c. The number of native NCC students selected for admission will be limited to the number of clinical partner sites secured by NCC.
 - d. In the event that the number of qualified applicants exceeds the number of clinical slots, HACC program staff will select the most qualified applicants for admission.
 - e. Clinical slots secured by NCC not filled by native NCC applicants may be offered to native HACC students. Likewise, clinical slots secured by HACC not filled by native HACC students may be offered to native NCC students.
3. Upon acceptance into the clinical portion of the program, the student will be required to submit the following:
 - a. Full medical assessment including (but not limited to), medical history, and vaccinations or proof of immunity.
 - b. Basic Life Support (BLS) certification for the professional rescuer (approved provider is American Heart Association).
 - c. Proof of current enrollment in a health insurance plan.
 - d. "No records" status for PA Child Abuse Clearance, PA State Police Criminal Record Check and FBI finger print check.
 - e. Agreement to abide by dress code/personal appearance and other policies set forth by the clinical affiliates.
 - f. Proof of a negative drug screen based on clinical affiliation agreements.

| Complete Semester 1 at NCC | | | | | | |
|-----------------------------------|----------|--------------------------------|---------|---------------|--|---|
| | Course # | Course Title | Credits | Gen Ed | Term/Location Offered (Fall, Winter, Spring, Summer) (Bethlehem, Monroe, Fowler, Online) | Pre-requisites / Co-requisites (PRE / CO) |
| <input type="checkbox"/> | COLS101 | College Success | 1 | | FA, SP, SU; BETH, MROE, DIST | |
| <input type="checkbox"/> | BIOS204 | Human Anatomy and Physiology I | 4 | Science | FA, SP, SU; BETH, MROE, DIST | PRE: One year of HS Biology or BIOS107 or 115 |
| <input type="checkbox"/> | ENGL101 | English I | 3 | Communication | FA, SP, SU; BETH, MROE, DIST | PRE: English Placement Policy |
| <input type="checkbox"/> | MATH120 | Nature of Math | 3 | QL | FA, SP, SU; BETH, MROE, DIST | PRE: MATH022 or Math Placement |
| <input type="checkbox"/> | | Humanities/Art Elective | 3 | | | |
| | | Wellness | 1 | | | |
| Total Semester Credits: | | | 15 | | | |

| Complete Semester 2 at NCC | | | | | | |
|-----------------------------------|------------|------------------------------------|---------|---------------|--|---------------------------------|
| | Course # | Course Title | Credits | Gen Ed | Term/Location Offered | Pre-requisites/Co-requisites |
| <input type="checkbox"/> | BIOS254 | Human Anatomy and Physiology II | 4 | Science | F, SP, SU; BETH, MROE, DIST | PRE: BIOS204 with a C or better |
| <input type="checkbox"/> | CMTH | Introduction to Communication | 3 | Communication | FA,SP,SU; BETH,MORE,DIST | |
| <input type="checkbox"/> | ENGL 151 T | English II (Technical Writing) | 3 | Communication | FA, SP, SU; BETH, MROE, DIST FA, SP, SU; BETH, MROE, DIST | PRE: (ENGL 151 only) ENGL 101 |
| <input type="checkbox"/> | | Social/Behavioral Science Elective | 3 | | | |
| Total Semester Credits | | | 13 | | | |

| Complete Semester 3 SPRING AT HACC Lancaster Campus | | | | | | |
|--|----------|---|---------|--------|-----------------------|------------------------------|
| | Course # | Course Title | Credits | Gen Ed | Term/Location Offered | Pre-requisites/Co-requisites |
| <input type="checkbox"/> | CVT 100 | Foundations of Cardiovascular Medicine | 3 | | | |
| <input type="checkbox"/> | CVT 101 | Introduction to Cardiovascular Technology | 3 | | | |
| <input type="checkbox"/> | CVT 102 | Cardiovascular Technology Laboratory | 2 | | | |
| Total Semester Credits | | | 8 | | | |

| Complete Semester 4 SUMMER I AT HACC Lancaster Campus | | | | | | |
|--|----------|---|---------|--------|-----------------------|------------------------------|
| | Course # | Course Title | Credits | Gen Ed | Term/Location Offered | Pre-requisites/Co-requisites |
| <input type="checkbox"/> | CVT 103 | Cardiovascular Technology Clinical Experience | 2 | | | |
| Total Semester Credits: | | | 2 | | | |

| Complete Semester 5 FALL AT HACC Lancaster Campus | | | | | | |
|--|----------|-----------------------------|---------|--------|-----------------------|------------------------------|
| | Course # | Course Title | Credits | Gen Ed | Term/Location Offered | Pre-requisites/Co-requisites |
| <input type="checkbox"/> | CVT 200 | Cardiac Pathophysiology | 4 | | | |
| <input type="checkbox"/> | CVT 218 | Cardiovascular Pharmacology | 2 | | | |
| Total Semester Credits: | | | 6 | | | |

| Complete Semester 6 SPRING II AT HACC Lancaster Campus | | | | | | |
|---|----------|--|---------|--------|-----------------------|------------------------------|
| | Course # | Course Title | Credits | Gen Ed | Term/Location Offered | Pre-requisites/Co-requisites |
| <input type="checkbox"/> | CVT 210 | Introduction to Invasive Cardiovascular Technology | 3 | | | |
| <input type="checkbox"/> | CVT 211 | Radiation safety/Invasive Instrumentation | 2 | | | |
| <input type="checkbox"/> | CVT 212 | Invasive Hemodynamic Assessment | 3 | | | |
| <input type="checkbox"/> | CVT 213 | Invasive Instrumentation Lab | 2 | | | |

| | | | | | | |
|--------------------------|--|-------------------------------------|----------------|---------------|------------------------------|-------------------------------------|
| | | Total Semester Credits: | 10 | | | |
| Complete | Semester 7 SUMMER II AT HACC Lancaster Campus | | | | | |
| | Course # | Course Title | Credits | Gen Ed | Term/Location Offered | Pre-requisites/Co-requisites |
| <input type="checkbox"/> | CVT 214 | Interventional Cardiac Practices | 4 | | | |
| <input type="checkbox"/> | CVT 215 | Invasive Cardiovascular Clinical I | 4 | | | |
| | | Total Semester Credits | 8 | | | |
| Complete | Semester 8 FALL II at HACC Lancaster Campus | | | | | |
| | Course # | Course Title | Credits | Gen Ed | Term/Location Offered | Pre-requisites/Co-requisites |
| <input type="checkbox"/> | CVT 216 | Congenital Heart Disease | 1 | | | |
| <input type="checkbox"/> | CVT 217 | Invasive Cardiovascular Clinical II | 5 | | | |
| | | Total Semester Credits | 6 | | | |
| | | Total Degree Credits | | | | |
| | | | | | | |

Notes:

Course Equivalency Chart

Program Narrative:

Program Features:

Program Outcomes:

Career Information:

After receiving your Associate in Science in invasive cardiovascular technology, you will be ready to enter the healthcare field as an invasive cardiovascular technologist.

An Invasive cardiovascular technologists is a highly specialized and knowledgeable healthcare professional who is educated and trained to perform invasive diagnostic and therapeutic procedures under the direction of the physician to evaluate, diagnose and treat patients with cardiac disease.

As a cardiovascular technologist, specializing in the invasive field, you will have the skills to work specifically in a cardiac catheterization laboratory in a hospital setting.

Individuals who are successful in this field usually have these skills:

- Critical thinking and problem-solving ability
- Medical knowledge including anatomy, physiology and psychophysiology
- Possess sufficient skills to handle equipment and provide safe and effective patient care
- Are physically fit to handle long hours on your feet and help move and lift patients
- Able to pay attention to details
- Able to perform procedures with a high-level of skill and expertise

- Communicate effectively and hold strong interpersonal skills to interact with patients, family members, physicians and co-workers

Point System