



**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, MROE, 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	<b>Semester 7 SUMMER II AT HACC Lancaster Campus</b>					
	<b>Course #</b>	<b>Course Title</b>	<b>Credits</b>	<b>Gen Ed</b>	<b>Term/Location Offered</b>	<b>Pre-requisites/Co-requisites</b>
<input type="checkbox"/>	CVT 214	Interventional Cardiac Practices	4			
<input type="checkbox"/>	CVT 215	Invasive Cardiovascular Clinical I	4			
Total Semester Credits			8			
Complete	<b>Semester 8 FALL II at HACC Lancaster Campus</b>					
	<b>Course #</b>	<b>Course Title</b>	<b>Credits</b>	<b>Gen Ed</b>	<b>Term/Location Offered</b>	<b>Pre-requisites/Co-requisites</b>
<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

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## Appendix A

Highlighted courses below carry the “Diversity” designation and could count for the HACC Global Awareness competency.

### Arts and Humanities (AH)

<u>CMTH126</u>	The Communication Arts
<u>CMTH211G</u>	Plays: Classical to Contemporary
<u>DANC101</u>	Dance History
<u>ENGL205G</u>	American Literature I
<u>ENGL211G</u>	Plays: Classical to Contemporary
<u>ENGL215G</u>	Multicultural Adolescent Literature
<u>ENGL250G</u>	Latin American Literature
<u>ENGL251G</u>	British Literature II
<u>ENGL253</u>	Creative Writing
<u>ENGL255G</u>	American Literature II
<u>ENGL256G</u>	Modern Poetry
<u>ENGL257G</u>	20th Century Literature by Women
<u>ENGL260G</u>	Contemporary Literature
<u>ENGL264G</u>	Irish Literature
<u>ENGL265G</u>	African-American Literature
<u>ENGL267</u>	Poetry Writing
<u>HUMA121</u>	American Work Experience
<u>HUMA140</u>	Introduction to Women and Gender Studies
<u>HUMA150</u>	Nature of the Environment
<u>HUMA210</u>	Creativity and the Origin of Ideas
<u>MDLA102</u>	Elementary French I
<u>MDLA103</u>	Elementary Spanish I
<u>MDLA105</u>	Elementary Chinese I
<u>MDLA107</u>	Elementary Arabic I
<u>MDLA112</u>	Elementary French II
<u>MDLA113</u>	Elementary Spanish II

MDLA115 Elementary Chinese II  
MDLA117 Elementary Arabic II  
MDLA122 Intermediate French I  
MDLA123 Intermediate Spanish I  
MDLA125 Intermediate Chinese I  
MDLA133 Intermediate Spanish II  
MDLA135 Intermediate Chinese II  
PHIL111 On Death and Dying  
PHIL121 World Religions  
PHIL204 Asian Philosophies