

# Cardiovascular Technology - Cardiac Sonography Admission Criteria

*This is a selective and competitive admission program. Admission to the college doesn't guarantee admission to the clinical component of the program. Work with your advisor to apply to the clinical/core component of the program.*

**Minimum Criteria to Apply:** See the point system

**Advising:** CVT students should meet with a health careers advisor to develop an educational plan.

For appointments:

Gettysburg - (717) 337-3855  
Harrisburg - (717) 780-2498  
Lancaster - Susan Herr (717) 358-2988  
Lebanon – Jennifer Reb (717) 270-4222  
York - Heather Burns (717) 801-3229

**Shadowing:** Shadowing is incorporated in CVT 103

**Application:** Available on the web March 1

**Application Deadline:** May 1 of each year; start date - Fall semester.

**Class Selection Date:** Mid May of each year.

## **ADDITIONAL REQUIREMENTS PRIOR TO STARTING THE CLINICAL PORTION OF THE PROGRAM (after acceptance)**

Additional information and required forms will be provided to you upon acceptance into clinicals. Failure to provide all the necessary documentation before the established deadline could lead to denial of admission into the clinical program. The following must be completed (at your own expense) after you have been selected for, but prior to starting the clinical portion of the program:

### **Physical Examination and Required Immunizations**

All students accepted into the clinical component of the program must submit a health examination form completed by a physician/nurse practitioner/physician's assistant with immunization history including verification through blood work. No student will be admitted with a disqualifying result or failure to meet the specified deadline.

### **Background Checks**

All students accepted into the clinical component of the program must undergo annual Pennsylvania Child Abuse History Clearance, FBI Check and State Police Criminal Record Check. No student will be admitted with a disqualifying criminal history or child abuse clearance. Students with criminal backgrounds interested in admission into the clinical portion of any health career program at HACC must follow the Prohibitive Offense Procedure for Health Career Programs.

### **Drug and Alcohol Screens**

All students accepted into the clinical component of the program must undergo a drug and alcohol screen annually at the laboratory specified by the program on or before the stated deadline. This lab is used to protect the integrity of the results being reported. No student will be admitted or retained in the program with a disqualifying result or failure to meet the specified deadline.

### **Current Certification in American Heart Association Healthcare Provider Cardiopulmonary Resuscitation (CPR)**

**Any candidate not meeting these criteria will be denied admission into the program.**

5/8/08 rev 2/23/16  
Rev 3/28/17

<b>HACC</b> <b>Cardiac Sonography or Invasive Cardiovascular Technology Program</b> <b>Admission Criteria – Fall 2020</b>
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Name of student: \_\_\_\_\_

Students will be considered for admission into the cardiac sonography and invasive cardiovascular technology program who have:

- 2.5 overall GPA
- Successfully completed CVT 101 and 102 (prior to May 15) with a C or better (or the equivalent noncredit option with CCT certification and six months of employment in a cardiovascular department or physicians practice). CVT 101 must be taken within 3 years of the clinical application
- Completed BIOL 121 with a C or better
- Eligible for MATH 111
- Completed CVT 103 with a C or better prior to the beginning of the first clinical semester
- Attended a mandatory information session during the spring prior to the application.

All cardiac sonography and invasive cardiovascular technology program applicants will be ranked on the following criteria:

Your Points	Possible Points	Criterion
	6 to 10	* Grade in BIOL 121 A = 10, B = 8, C = 6
	6 to 10	* Grade in BIOL 122 A = 10, B = 8, C = 6
	6 to 10	* Grade in CVT 100 A = 10, B = 8, C=6
	6 to 10	* Grade in CVT 101 A = 10, B = 8, C = 6
	6 to 10	* Grade in CVT 102 A = 10, B = 8, C = 6
	6 to 10	* Grade in MATH 103 or Math 111 A = 10, B = 8, C = 6
<i>* Note: All transferred courses will be assigned the number of points based on the actual grade earned.</i>		
	5	Current CCT or CRAT credential
	2.5 to 5	Employment in health care Current employment in a health care field (direct patient care care) = 5 Previous employment in a health care related field = 2.5
	5 to 8	2 x Program GPA
		<b>Total Score (78 Max)</b> In the event of a tie, grade in CVT 101 then CVT 102 will be used.

**The accepted time limit for science courses (HACC or transfer) for use in health career program requirements is 7 years.**

Rev 7/23/19 KJW

*HACC does not discriminate in employment, student admissions, and student services on the basis of race, color, religion, age, political affiliation or belief, sex, national origin, ancestry, disability, place of birth, General Education Development Certification (GED), marital status, sexual orientation, gender identity or expression, veteran status, or any other legally protected classification.*

## **ESSENTIAL QUALIFICATIONS FOR HEALTH CAREERS PROGRAMS CARDIAC SONOGRAPHY**

All individuals, including persons with disabilities, who apply for admission to the Cardiac Sonography program must be able to perform specific essential functions with or without reasonable accommodation.

The following outlines the abilities and behavioral characteristics necessary for the student to be admitted to, continue in, and graduate from, the Cardiac Sonography program at HACC. **These essential qualifications are standards of admission.**

The applicant should carefully review the essential qualifications for the program and ask questions if not familiar with the activities or functions listed. The applicant must decide if he or she has any limitations that may restrict or interfere with satisfactory performance of any of the requirements. It is ultimately the applicant's responsibility to meet these essential qualifications if accepted into the program.

The applicant should consult with the program director to discuss any individual situation if he or she may not be able to meet these essential qualifications. Requests for reasonable accommodation will be considered. Contact the program director if you have any questions about this matter.

### **COMMUNICATION**

1. Communicate verbally using clear and effective English
2. Write legibly in clear and effective English using correct grammar, punctuation and spelling
3. Quickly and accurately comprehend and follow verbal instructions in English
4. Quickly and accurately read, comprehend and follow written instructions in English
5. Actively participate in group discussions
6. Use communication equipment – telephone, computer, other devices used for communication

### **PHYSICAL SKILLS**

Possess fine and gross skills sufficient to handle equipment and provide safe and effective patient care

1. Exert maximum physical force to lift, push, pull or carry objects up to 50 pounds (oxygen cylinders, beds, patients, or any other type of equipment)
2. Wear lead aprons (approx. 10 pounds) up to 2 or more hours
3. Move quickly, freely and safely around the assigned work area and patient care settings
4. Sustain professional activities for up to 8 or more hours
5. Remain standing up to 8 or more hours
6. Remain sitting up to 8 or more hours
7. Reach above the shoulder level or below waist level to perform tasks as needed. Ability to manipulate transducer and ultrasound equipment. The patient is positioned on their left side during the procedure. The student /technologist must be able to hold and manipulate the transducer effectively in order to acquire diagnostic images. This requires leaning and manipulating the transducer with force.
8. Move upper and lower extremities, back, hips, and knees without restriction - bend, stoop, and squat
9. Keep hand and arm steady while moving arm or while holding arm and hand in one position while applying force with the transducer
10. Make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects
11. Coordinate two or more limbs (for example, two arms, two legs, or one leg and one arm) while sitting, standing, or lying down

### **OBSERVATION AND SENSORY SKILLS**

1. Hear, comprehend and interpret conversation and sounds not solely based on visual cues (including alarms, monitors, faint sounds, such as heart and breath sounds, taking blood pressure and Doppler)
2. Ability to see details at close range (within a few feet of the observer) and at a distance.
  - a) Function efficiently in various degrees of light, from dark to bright lighting
  - b) Differentiate colors, varying shades of same color, and shades of black, white and gray
  - c) Read fine print and hand writing
3. Detect and distinguish odors from clients and environment
4. Distinguish textures, degrees of firmness, temperature differences, pulse rate and vibrations; feel anatomical landmarks and veins
5. Distinguish and describe patient affect, body language and physical responses which the patient cannot verbally relay (i.e. facial expressions, sweating, trembling, color change, bleeding, etc)

### **INTELLECTUAL, COGNITIVE, AND CRITICAL THINKING SKILLS**

1. Concentrate on a task over a period of time without being distracted
2. Apply principles of critical, logical thinking to define problems, collect data, establish facts, and draw sensible and valid conclusions
3. Combine pieces of information to form general rules or conclusions (includes finding a relationship among seemingly unrelated events).
4. Perform multiple tasks simultaneously
5. Arrange things or actions in a certain order or pattern according to a specific rule or set of rules (alphabetize)
6. Integrate information quickly, consistently, accurately, especially in an emergency situation

### **BEHAVIORAL / SOCIAL SKILLS / ETHICS**

1. Display a high level of professionalism and discretion in all actions and communication (written, oral and electronic)
2. Function effectively and display integrity, poise and emotional stability under stress (emergency, critical, or dangerous situations) in actions with all (peers, patients, staff, faculty)

3. Use team approach to carry out responsibilities
4. Respond to all persons sensitively and with respect for cultural diversity
5. Maintain general good health and self-care
6. Display flexibility and adapt to changing environments
7. Manage time effectively
8. Accept responsibility for own behavior and be forthright about errors or uncertainty
9. Refuse to perform or participate in any illegal, unethical or incompetent acts, to include but not limited to the following: falsifying or knowingly making incorrect entries into a patient's record or related document; copying other student's written assignments; cheating on a quiz or examination; making untrue statements to a faculty member or administrator
10. Monitor/assess performance of self, other individuals, or organizations to make improvements or take corrective action
11. Capable of developing mature sensitive and effective relationships (with patients, staff, coworkers, etc.)

As an applicant to this program or student in this program, I acknowledge that I have read and understand the essential qualifications. I **acknowledge that I am capable of performing the abilities and skills outlined in this document** with or without reasonable accommodation and understand that my status as a student in this program depends on my continued ability to successfully demonstrate these abilities and skills. **I understand that if I am no longer able to meet these essential qualifications I will immediately notify the program director.**\_\_\_\_\_ (Initial)

**I have read and understand the program admission criteria** as posted on the HACC Health Careers website.\_\_\_\_\_ (Initial)

**I understand that all students accepted into the clinical component of the program must undergo a physical and a drug and alcohol screen annually at the student's expense** at the laboratory specified by the program on or before the stated deadline. This lab is used to protect the integrity of the results being reported. The test is at the cost of the student. No student will be admitted or retained in the program with a disqualifying result or failure to meet the specified deadline.\_\_\_\_\_ (Initial)

**I have read and understand the Health Careers Code of Ethics** as posted on the HACC Health Careers website.\_\_\_\_\_ (Initial)

**I have read and understand the Prohibitive Offense Procedure** as posted on the HACC Health Careers website.\_\_\_\_\_ (Initial)

**I understand that some clinical sites do not allow tobacco use** and may require testing at the student's expense.\_\_\_\_\_ (Initial)

**I understand that all students accepted into the clinical component of the program must undergo an annual Pennsylvania Child Abuse History Clearance, FBI Check, and State Police Criminal Record Check at the student's expense.** No student will be admitted or retained in the program with a disqualifying criminal history or child abuse clearance.\_\_\_\_\_ (Initial)

**I understand that students accepted into the clinical component of the program may perform procedures which may expose them to bloodborne and airborne pathogens,** ionizing radiation and potentially hazardous materials.\_\_\_\_\_ (Initial)

**I understand that all students accepted into the clinical component of the program must have the following immunizations (at the student's expense):** MMR, DPT, Varicella, an annual TB screen, and an annual influenza vaccination.\_\_\_\_\_ (initial)

**I understand that in the event of an incident in the clinic, lab or outside rotation that I am responsible for all related medical expenses.**\_\_\_\_\_ Initial

**I understand that intentional deceit or falsification on this document will disqualify a student** from admission and/or continuation in any health career program at HACC.\_\_\_\_\_ (Initial)

Have you ever been admitted to another clinical health career program at HACC from which you did not graduate?  
 \_\_\_\_\_ I have not \_\_\_\_\_ I have (**Good Standing Form to be completed**)

**I understand that if I have ever worked at a hospital and am ineligible for re-hire I may not be eligible to be admitted to or continue in the program.** I understand that if I am released from my duties, I will immediately notify the program director.\_\_\_\_\_ (Initial)

2/3/15  
KW/vg

\_\_\_\_\_  
Applicant Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Program

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Print Name

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HACCid

## Health Career Code of Ethics

In order to promote excellence in patient care, the HACC Health Career student, while in their program, or in their clinical uniform, are to:

- Treat patients with respect for the dignity, rights, and value of each individual.
- Provide nondiscriminatory and equitable treatment for all patients.
- Promote and strive to protect the health, safety, and rights of each patient.
- Maintain confidentiality of patient information following privacy regulations required by law.
- Not disclose or share information associated with their health career program about or relating to any patient, person, clinical facility, or clinical experience outside of the sanctioned educational context of the classroom or online course environment with oversight of an instructor. This includes communication in any format including verbal, written, and digital (includes but is not limited to text, email, photographs, and social media).
- Perform procedures or functions within his/her level of education in the profession.
- Refuse to participate in any illegal, unethical, or incompetent acts.
- Disclose any illegal, unethical, or incompetent acts of others to the proper authority.
- Avoid any conduct that creates a conflict of interest.
- Demonstrate professional behavior that reflects integrity and a positive image of the profession and the college.
- Follow all principles of ethical and professional behavior, as identified in the code of ethics of his/her chosen health career.

Students shall be denied admission to a program for breaches in any of the above code of ethics. Students who are in a clinical program and breach the code of ethics will be dismissed from the program and denied access to any other health career program at HACC.

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Student Signature

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Date

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Print Name

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HACCid

### **Health Careers Medical Marijuana Policy**

The Pennsylvania Department of Health is currently implementing the Pennsylvania Medical Marijuana Program, a component of the Medical Marijuana Act (MMA) that was signed as [law](#) on April 17, 2016. This program provides access to medical marijuana for patients with serious medical conditions as defined by the Pennsylvania Department of Health.

Currently, the federal government regulates drugs through the Controlled Substances Act, which does not recognize the difference between medical and recreational use of marijuana. Under federal law, marijuana is a Schedule 1 controlled substance, which means that it is considered to have no medical value. Practitioners may not prescribe marijuana for medical use under federal law.

Students entering any Health Careers Program are required to have laboratory screenings for drugs and alcohol upon admission to the clinical phase of the program and on a yearly basis while participating in the clinical experiences. As per current policy, if the results are positive, the student will be dismissed from the program immediately and referred for appropriate counseling.

**Students using medical marijuana will not be eligible for clinical placement in any HACC clinical program**, due to the current discrepancy between state and federal law regarding Drug Free Work Place Act and the MMA. Businesses who are not in compliance with federal law are at risk for criminal or civil charges; and additionally may find issue with eligibility for federal contracts and grants. Additionally, Pennsylvania's Medical Marijuana statute specifically provides that an employer does not have to accommodate an individual in a safety sensitive position if that person is under the influence of medical marijuana. Most positions involving direct patient care will be considered safety sensitive positions.

Students should also understand that under current Pennsylvania State Board law, many health career licensing boards require drug screening at the time of application for licensure. Similarly, most health care employers will perform routine drug screening as a condition for employment, as these positions involve direct patient care, and are considered safety sensitive positions. **This discrepancy between federal and state law allows our clinical partners to deny student placement for clinical experiences and the State of Pennsylvania to deny licensure.**

In order to be transparent with this entire process, we recognize our responsibility to fully inform students of HACC's policy regarding the use of medical marijuana. Due to current laws we cannot provide admission to the clinical phase in any of our Health Career Programs and students who have been admitted and are later to be found positive for medical marijuana will be removed.

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Student Signature

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Date

12/10/18