

VALENCIA COLLEGE

2023-2024 Program Guide for the Associate in Science Degree in Cardiovascular Technology (CVT)

Application Deadline: May 31st, 2023 for Fall 2023

Admission requirements and application deadlines are subject to change. Please [check](#) for any admission updates.

Students are admitted to Valencia's Invasive Cardiovascular Technology Program by a selective admission process. The Health Sciences Admission Committee selects 16 students once per year to begin the program in the Fall term.

ADMISSION CHECKLIST

The admission requirements that must be satisfied PRIOR to application submission to the CVT Program are:

- _____1. Read about Cardiovascular Technology admission, [program requirements](#), and the Valencia [Catalog](#); read this program guide in its entirety to confirm you are capable of meeting the Core Performance Standards listed in this guide.
- _____2. Must be a U.S. Citizen a U.S. permanent resident or an International Student. **International Students:** In addition to a background check required for clinical compliance (after program acceptance), a second background check from your home country is required. If you have a concern about how this may impact your program acceptance, please contact the Health Sciences Compliance Office: HSCCompliance@valenciacollege.edu.
 - (See [Page 3](#) of this Program Guide for [clinical compliance information](#))
 - **NOTE: All individuals who have DACA, Temporary Protection Status, Refugee, Asylee status, etc. must complete the [Employment Authorization Document \(EAD\)](#) prior to submitting application.** (Social Security document is required from state to sit for Board Exam).
- _____3. Attend a Health Sciences Information Session (**strongly recommended**). Information Session dates are posted on the Health Sciences website: valenciacollege.edu/health.
- _____4. Submit a completed [Valencia Application](#) for Admission, click on **Future Students, Admissions**, and pay the \$35 application fee; satisfy the requirements for [Degree-Seeking Status and be in Active Student Status](#). Admission to Valencia does not imply acceptance to a health sciences program.
- _____5. Submit **all official transcripts** from all institutions (**include High School transcripts or GED score report**) must be submitted to Valencia and posted on your record prior to applying. Students using AP/IB/CLEP scores to satisfy one or more prerequisite courses must request official scores from collegeboard.org (AP/CLEP) or ibo.org (IB). AP/IB/CLEP credits earned as 'Z' grades on record equate to 'A' grades for points.
- _____6. Must be at least 18 years of age by the program start date.
- _____7. Satisfy the Valencia entry testing requirements and satisfactorily complete any [Mandatory Courses](#) in Reading, Mathematics, English, and English for Academic Purposes in which you are placed (must be at college-level for Reading, Mathematics, English).
- _____8. Complete the Prerequisites for Admission with a minimum grade of "C":
The grade for each course must be posted to your Valencia transcript.

BSC 2093C Human Anatomy and Physiology I	4.0 Credit Hours
BSC 2094C Human Anatomy and Physiology II	4.0 Credit Hours
MAC 1105 College Algebra	3.0 Credit Hours
- _____9. Have a **minimum overall college GPA of 2.5** including all undergraduate transfer work for admission into the program. Must be in good academic standing. **NOTE:** Transfer students with completed coursework at Valencia College also need to have a minimum Institutional/Valencia GPA of 2.0 at the time of applying (in addition to the minimum overall college GPA of 2.5).
- _____10. Prior to program application submission, you are encouraged to meet with your assigned advisor. Your assigned advisor is located in Atlas, Courses tab, Academic Profile. It's recommended that you meet early in your course planning to ensure all requirements, including the program prerequisite courses in this guide are met.

- _____11. Successfully complete the designated entrance exam, ATI Test of Essential Academic Skills (TEAS), with scores posted to your Valencia record of a minimum passing Composite score of **58.7** (subject to change). Scores on record may be used for admission criteria if test dates are **less than two years old** at the time of the application deadline **starting with the Fall 2023 application deadline**. Paper copies of scores are NOT accepted. The examination fee is the responsibility of the student. More information about ATI TEAS may be found on the [Assessment webpage](#). **If ATI TEAS was taken at another institution, students are required to:**
1. Request official exam scores from the [ATI site](#).
 2. Then, complete the ATI [Matching Request form](#) (*assists to add scores to Valencia student record*)
- _____12. After completing numbers 1 – 11 and prior to the application deadline, submit a completed CVT Program application, and pay the \$15 non-refundable Health Sciences program application fee. The application can be found at valenciacollege.edu/health.

CARDIOVASCULAR TECHNOLOGY ADMISSION POINTS GUIDE

The Health Sciences Admission Committee uses the following point system as a guide in the selection of the 16 qualified students to be admitted to the **CVT Program**. Student selection is based on the total number of points earned below.

In case of a tie, overall GPA and then the entrance test (ATI TEAS) test score will be considered.

If a student was previously accepted into a Health Sciences Program at Valencia and subsequently deemed ineligible for return to the program, the selection committee has the right to contact the applicant's previous program. This information will be included in the consideration for program admission.

PROGRAM COURSE REQUIREMENTS THAT AWARD ADMISSION POINTS

The Highlighted course (Core Humanities) below is part of the new degree requirements to graduate with the A.S. Cardiovascular Tech. degree. Core Humanities will be required for admission points and graduation for all future admission cycles, starting with Fall 2023 admission.

The first three courses are prerequisite courses that must be completed by the program application deadline.

You may not repeat a course for grade forgiveness for which you previously have earned a grade of A, B or C.

BSC 2093C	Human Anatomy & Physiology I	A=10 pts, B=8 pts, C=6 pts	4.0 credit hours
BSC 2094C	Human Anatomy & Physiology II	A=10 pts, B=8 pts, C=6 pts	4.0 credit hours
MAC 1105	College Algebra	A=10 pts, B=8 pts, C=6 pts	3.0 credit hours
The following courses are required for graduation with the degree. Completion of these courses with a minimum grade of C prior to the application deadline will result in more admission points to be a competitive applicant.			
PHY 1007C	Physics with Medical Applications	A=10 pts, B=8 pts, C=6 pts	4.0 credit hours
MCB 2010C	Microbiology	A=8 pts, B=6 pts, C=4 pts	4.0 credit hours
ENC 1101	Freshman Composition I	A=3 pts, B=2 pts, C=1 pt	3.0 credit hours
PSY 2012	General Psychology	A=3 pts, B=2 pts, C=1 pt	3.0 credit hours
Humanities	Humanities Core General Education . Core is required for points and graduation. Institutional courses will not meet this requirement.	A=3 pts, B=2 pts, C=1 pt	3.0 credit hours

NOTE: Transfer courses may need to be reviewed by an Advisor for potential course substitution or equivalency. **Courses taken at other institutions may not be equivalent to Valencia Allied Health Program course requirement, as listed in this guide.** Course substitution or equivalency must be on your Valencia record before submitting program application. Course substitutions are only permitted when students have not previously earned a grade of A, B or C for the required course.

Transfer courses with 'S' or 'P' grades need to be reviewed for eligibility by the [Health Sciences team](#)

ADDITIONAL ADMISSION POINTS (OPTIONAL)

HSC 1531	Medical Terminology	A=3 pts, B=2pts, C=1pts
HSC 1004-OR-SLS 1122	Professions of Caring - OR - New Student Experience	A=5 pts, B=3 pts, C=1 pt A=3 pts, B=2 pts, C=1 pt
PHI 2600	Ethics and Critical Thinking (does not satisfy the 'Core' graduation requirement)	A=3 pts, B=2 pts, C=1 pt
Alternate	Previous-year applicant placed on Alternate List	3 pts
Civic Literacy <i>(Click for FCLE information)</i>	Successful fulfillment of Civic Literacy per graduation requirements. <i>Florida Rule 6A-10.04213, prior to the award of an associate or baccalaureate degree, students initially entering a Florida College System institution in the 2022-23 school year* and thereafter must demonstrate competency in civic literacy prior to graduation.</i>	1 pt Optional for a point towards admission, but required for A.S. Graduation

ADMISSIONS POINTS FOR MANDATORY PANEL INTERVIEW

Panel Interview	Admission Committee will conduct a Panel Interview in the selection process. It is encouraged that students check their Atlas email frequently after the application deadline for notification on this next step of the selection process. Note: Invited students that do not participate in the mandatory CVT Panel Interview will be automatically disqualified and removed from consideration for the program.	26 pts
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Please check [Program Updates](#) page for the most updated information.

Total Points: _____ Total Possible Points: 98

GUIDELINES for ALL HEALTH SCIENCE LIMITED ACCESS PROGRAMS (EXCEPT THE BACHELOR DEGREE PROGRAMS AND ADVANCED TECHNICAL CERTIFICATES)

Valencia's Health Science programs are offered through the School of Allied Health and the School of Nursing, which provide information about specific admission criteria for the programs. The Health Sciences Program Guides, of which this is one, are developed for a specific academic year (August to July) and, as a rule, changes to admission and program requirements becoming effective at the start of an academic year. **Valencia College, however, reserves the right to make changes in admission and program requirements as circumstances require.** If a mid-year change becomes necessary, it will be indicated for the specific program on the [Program Updates](#) page.

Students interested in a health sciences career are encouraged to explore the many challenging and rewarding opportunities available in health professions. The health sciences programs may have clinical experiences that expose the student to blood borne pathogens via contact with bodily fluids including, but not limited to blood and saliva. Students accepted into these programs will be expected to adhere to Centers for Disease Control (CDC) guidelines for the use of Standard Precautions. The CDC defines standard precautions as "a set of precautions designed to prevent the transmission of HIV, Hepatitis B virus (HBV), [and] other blood borne pathogens when providing first aid or health care." Under standard precautions, blood and certain body fluids are considered potentially infectious for HIV, HBV, and other blood borne pathogens. Students will be expected to adhere to hand hygiene protocols and consistent use of personal protective equipment including masks, gloves and eyewear. In some health sciences programs, students may need to conduct peer-to-peer examinations in lab settings.

Valencia offers eight health sciences programs which lead to an A.S. degree. They are the Cardiovascular Technology, Dental Hygiene, Diagnostic Medical Sonography, Emergency Medical Services Technology (including EMT and Paramedic technical certificates), Health Information Technology (including Medical Information Coder/Biller technical certificate), Nursing (R.N.), Radiography, and Respiratory Care. Admission to these programs is limited because of clinical facilities and staff. Once you complete your A.S. degree in Cardiovascular Technology, you can continue at Valencia to earn your Bachelor's degree in Cardiopulmonary Sciences or a bachelor-level Advanced Technical Certificate (ATC) in Echocardiography. With additional education at the bachelor's level and professional experience, you will enhance your skills and have more career options available.

Students whose official records indicate they are seeking admission to a limited access Associate in Science (A.S.) health sciences program will have the health sciences program designated as their secondary major and the Associate in Arts (A.A.) Degree designated as their primary major in order to maximize their educational opportunities. If the student has already earned a Bachelor's or A.A. degree, the student will **not** have A.A. designated as a major.

APPLICATION INFORMATION

Program Application information for each admission cycle can be found on the [program's webpage](#). Program applications received after the deadline date will not be considered for the identified term. Students who are not accepted will need to reapply for a future term. Students must complete a Valencia application for admission and the application for the specific health sciences program. **Admission to Valencia does not imply acceptance to the health sciences program.** Students may apply to more than one limited access Health Science program; however, enrollment is limited to only one Health Sciences program in a term. A new program application is required if reapplying for admission. **Having previously earned a college degree does not grant an advantage in admission to a Health Sciences program that does not require a degree for admission,** nor does it exempt students from taking the ATI Test of Essential Academic Skills (TEAS) if the ATI TEAS is required for admission to the program.

Communication Policy: Application review may take **4-6 weeks after the deadline closes.** **Students are expected to check Atlas email regularly for any communication about an application.** Application updates are **only** communicated through the Valencia College Atlas email. Students who are offered an accepted program seat are required to attend the mandatory program orientation to keep the seat and start the program. The admission decision email will include a **strict deadline** to accept an offered program seat. If a response is not received by the deadline of the acceptance invite, then the next student will be invited for the opportunity of acceptance.

Mandatory Orientation: The mandatory program Orientation for accepted students may be held four to six weeks prior to the program start date. Once accepted to a program, students will receive an email via ATLAS regarding the Orientation date, requirements, and deadlines. The Orientation materials will give the student information regarding the processes for completing background checks, fingerprinting, drug screening, and other requirements completed through the designated vendor.

BACKGROUND CHECK, FINGERPRINTING, DRUG TESTING, IMMUNIZATIONS AND CPR CERTIFICATION

The Health Sciences programs include student clinical rotations in external affiliate health care facilities with which Valencia has agreements for student clinical assignments. The affiliates' policies require that students serving in a clinical rotation be cleared of offenses that would disqualify them from participating in student clinical assignments. Thus, all students **conditionally* accepted** to a Health Sciences program are required to submit to a criminal background check, fingerprinting and drug testing as well as provide documentation of specific immunizations and American Heart Association (AHA) and Basic Life Support (BLS) CPR certification following acceptance to a program. The timeframe for meeting these requirements will be provided in the Orientation information that will be sent to the student upon acceptance through ATLAS email. **All clinical Compliance must be met to begin the program.**

Students may need to renew their background and drug testing requirements annually. Email the Compliance Department for more details at HSCCompliance@valenciacollege.edu. ***If you have a positive background check, fingerprints or drug screening, you may be denied enrollment in a Health Sciences program due to the inability to participate in a student clinical assignment.** If you have concerns regarding known background issues, it is recommended that you email questions to hscompliance@valenciacollege.edu.

TRANSPORTATION TO CLINICAL SITES

If accepted to a program, students will be responsible for furnishing transportation to the community and/or hospital facilities used by Valencia for clinical practice. **Valencia is an Equal Opportunity Institution:** <https://valenciacollege.edu/about/equal-opportunity-title-ix/>

CARDIOVASCULAR TECHNOLOGY CORE PERFORMANCE STANDARDS FOR ADMISSION AND PROGRESSION

Cardiovascular Technology is a practice discipline with cognitive, sensory, affective, and psychomotor performance requirements. Based on these requirements, the following list of "Core Performance Standards" has been developed. Each standard has an example of an activity or activities, which a student will be required to perform while enrolled in the Cardiovascular Technology Program. These standards are a part of each Cardiovascular Technology course and of the professional role expectation of a Cardiovascular Technologist.

For the Cardiovascular Technology Program, a "qualified individual with a disability is one who, with or without reasonable accommodations or modifications, meets the essential eligibility requirements for participation in the program." The School of Allied Health at Valencia makes no preadmission inquiries concerning an applicant's disability status. Information related to an applicant's disabilities is not a part of the information reviewed by the Admission Committee.

These Performance Standards should be used to assist students in identifying the academic and clinical expectations for all students. Students who may need reasonable accommodations to fulfill required program outcomes or clinical expectations are encouraged to contact the [Office for Students with Disabilities](#) to engage in an interactive process regarding their request. It is the student's responsibility to notify and register with the Office for Students with Disabilities to identify and receive reasonable accommodations. Reasonable accommodations are effective only after engaging in this process and are not retroactive. Determination is made on an individual basis as to whether any accommodations or modifications can be reasonably made. **Valencia is an Equal Opportunity Institution:**
<http://valenciacollege.edu/HR/EqualAccessEqualOpportunity.cfm>

Criteria	Standard	Some Examples of Necessary Activities (not all inclusive)
Critical Thinking	Critical thinking ability sufficient for clinical judgment	Identify cause-effect relationships in clinical situations, develop Cardiovascular Technology plans
Interpersonal	Interpersonal abilities sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds	Establish rapport with patients/clients and colleagues
Communication	Communication abilities sufficient for interaction with others in verbal and written form with good command of the English language	Explain treatment procedures, initiate health teaching, document and interpret Cardiovascular care actions and patient/client responses
Mobility	Physical abilities sufficient to move from room to room, maneuver in small spaces, wear 30 lb leaded aprons for extended periods of time, wear protective eyewear and sterile surgical attire for extended periods of time, and navigate stairwells	Moves around in patient's rooms, work spaces, and treatment areas, administer Cardiovascular procedures without breaking sterile field
Motor Skills	Gross and fine motor abilities sufficient to provide safe and effective Cardiovascular care including hand/eye coordination	Calibrate and use equipment; position patients/clients
Hearing	Auditory ability sufficient to monitor and assess health needs	Hears monitor alarm, emergency signals, auscultatory sounds, cries for help, whispered directions
Visual	Visual ability sufficient for observation and assessment necessary in Cardiovascular care	Observes patient/client responses, graphic monitors
Tactile	Tactile ability sufficient for physical assessment	Perform palpation, functions of physical examination and/or those related to therapeutic intervention, e.g., insertions of a catheter

VALENCIA COLLEGE SCHOOLS OF ALLIED HEALTH AND NURSING

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Assess Ability to Meet Program Requirements	Y	E	N	If NO, Note Limitations	Assess Ability to Meet Program Requirements	Y	E	N	If NO, Note Limitations
General Requirements (has the ability to...)					Require Lifting (ability to lift...)				
Sit					Up to 10 lbs.				
Stand					11 to 24 lbs.				
Walk					25 to 34 lbs.				
Bend					35 to 50 lbs.				
Kneel					Up to and over 100 for some Clinical Areas				
Crouch					Pushing/Pulling (ability to push and pull...)				
Twist					Up to 10 lbs.				
Maintain Balance					11 to 24 lbs.				
Reach					25 to 34 lbs.				
Climb Stairs					35 to 50 lbs.				
Sensory Requirements (has ability for...)					Up to and over 100 for some Clinical Areas				
Far Vision									
Near Vision					Hand Manipulation (ability with...)				
Color Vision					Simple Grasping				
Depth Perception					Firm Grasping				
Seeing Fine Details					Fine Manipulation				
Hearing Norm Speech					Use of Keyboards				
Hearing Overhead Pages									
Infectious Diseases					Mental & Emotional Requirements (ability to...)				
Chemical Agents					Cope with high level of stress				
Dust, Fumes, Gases					Make decisions under high pressure				
Extremes in Temperature or Humidity					Cope with anger/fear/hostility of others in a calm way				
Hazardous or Moving Equipment					Concentrate				
Loud Noises					Handle a high degree of flexibility				
					Handle multiple priorities in stressful situations				
					Demonstrate high degree of patience				
					Work in areas that are close and crowded				
					Verbally Communicate under stress				
Sample Form of the Health and Physical Core Performance Requirements									