

VALENCIA COLLEGE

2020-2021 Program Guide for the Associate in Science Degree in Cardiovascular Technology

Application Deadline: May 15, 2021 for Fall 2021

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

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

ADMISSION CHECKLIST

The admission requirements that must be satisfied PRIOR to submitting an application for the Valencia College Cardiovascular Technology Program are:

- _____ 1. Read about CVT admission and program requirements at valenciacollege.edu/health and the Valencia Catalog <http://valenciacollege.edu/catalog/>; read this program guide in its entirety and confirm you are capable of meeting the Core Performance Standards listed within this guide.
- _____ 2. Be a U.S. Citizen, a U.S. permanent resident or an International Student.
International Students: F-1, J-1, and all other non-immigrant visa types eligible to enroll in degree-seeking programs, must complete their background check, fingerprinting, drug testing, immunizations and CPR certification at least **six months** in advance of the anticipated start term. Contact the Health Sciences Compliance Office to begin the compliance process and background check at email: HSCompliance@valenciacollege.edu.
NOTE: All individuals who have DACA, Temporary Protection Status, Refugee, Asylee status, etc. must complete the Employment Authorization Permit (EAP) prior to submitting application.
- _____ 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 at <http://valenciacollege.edu/>, click on **Future Students, Admissions**, and pay the application fee; satisfy the requirements for Degree-Seeking Status, including submission of **all official transcripts** from all institutions (include High School transcripts or GED score report) must be submitted to Valencia and posted on your record, and be in Active Student Status.
- _____ 5. Must be at least 18 years of age at program start.
- _____ 6. Satisfy the Valencia entry testing requirements and satisfactorily complete any mandatory courses in Reading, Professions of Caring or New Student Experience, Mathematics, English and English for Academic Purposes in which you are placed (must be at college-level for Reading, Mathematics, and English). For more information about Mandatory Courses: <http://catalog.valenciacollege.edu/entrytestingplacementmandatorycourses/mandatorycourses/>
- _____ 7. 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
- BSC 2094C Human Anatomy and Physiology II
- MAC 1105 College Algebra

To be competitive for admission, these and additional Science and General Education courses must be completed with high grades. See the point system that follows.

- _____ 8. Have a minimum **overall college GPA of 2.5** including all undergraduate transfer work for admission into 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)
- _____ 9. Prior to submitting your program application, you are encouraged to meet with your assigned advisor. You can locate your assigned advisor by logging into Atlas, Courses tab, Academic Profile. We strongly recommend that you meet early in your course planning to ensure all requirements, including program pre-requisite courses mentioned in this guide are met.
- _____ 10. Complete successfully the ATI Test of Essential Academic Skills (TEAS) with scores posted to your Valencia Atlas account (paper copies of scores NOT accepted) of a minimum passing score of 58.7. Scores on record may be used for admission criteria if test dates are less than five year old at the time of the application deadline. The examination fee is the responsibility of the student. If ATI TEAS was taken at another institution, students must request scores sent from ATI to Valencia. Next, students are required to complete the ATI [Matching Request form](#). More information about ATI TEAS may be found by visiting the Assessment Center [webpage](#).
- _____ 11. After completing Numbers 1-10 and prior to the program application deadline, submit a Valencia Cardiovascular Technology Program application, pay the \$15 non-refundable Health Sciences program application fee, and submit any required documentation. The application can be found at valenciacollege.edu/health and must be received by Valencia College Business Office by the program deadline or it will be denied.

Estimated program costs: <https://catalog.valenciacollege.edu/financialinformationfees/estimatedexpenses/>

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 in the information for the specific program at: <http://valenciacollege.edu/west/health/AdmissionUpdates.cfm>.

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 of the 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 or in Leadership in Healthcare. 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

Most programs have an application deadline, but some do not. If a program application deadline falls on Saturday, Sunday or a Valencia holiday, the deadline will become the following Valencia business day. Health Sciences program applications are available at valenciacollege.edu/west/health/AppDeadlines.cfm. 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 Sciences 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.

All communication from Valencia relative to program admission will be sent via your **Atlas e-mail address**. Written communication you initiate with Valencia staff should also be via your Atlas e-mail account and should include your full name and your Valencia ID number.

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 May 15th program application deadline for notification on the next step of the selection process. The Panel Interview is a face-to-face experience on Valencia West Campus and students are required to dress professionally. Note: Students that do not participate in the mandatory CVT Panel Interview will be automatically disqualified and removed from consideration for the program.

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.

NOTE: Non-Immigrant visa holders must complete their background check, fingerprinting, drug testing, immunizations and CPR certification at least six months in advance of the anticipated start term.

Students may need to renew their background and drug testing requirements annually. Email the Compliance Department for more details at HSCompliance@valenciacollege.edu.

***If you have a positive background check, fingerprint 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.

MANDATORY ORIENTATION

The mandatory program Orientation for accepted students usually is 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 through CastleBranch.com.

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: <http://valenciacollege.edu/HR/EqualAccessEqualOpportunity.cfm>

CARDIOVASCULAR TECHNOLOGY ADMISSION POINTS GUIDE

The Health Sciences Admission Committee uses the following point system as a guide in the selection of 16 qualified students to be admitted to the **Cardiovascular Technology** Program. Student selection is based on the total number of points earned. In case of a tie, overall GPA and the Health Sciences entrance test score will be considered.

(Note: If a student was previously accepted into a Health Sciences Program at Valencia College 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 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 (Prerequisite Course)	A=10 pts, B=8 pts, C=6 pts
BSC 2094C	Human Anatomy & Physiology II (Prerequisite Course)	A=10 pts, B=8 pts, C=6 pts
MAC 1105	College Algebra (Prerequisite Course)	A=10 pts, B=8 pts, C=6 pts
The following courses are required for the degree and will result in more points toward admission if completed with a minimum grade of C prior to the application deadline.		
PHY 1007C	Physics with Medical Applications	A=10 pts, B=8 pts, C=6 pts
MCB 2010C	Microbiology	A=8 pts, B=6 pts, C=4 pts
ENC 1101	Freshman Composition I	A=3 pts, B=2 pts, C=1 pt
PSY 2012	General Psychology	A=3 pts, B=2 pts, C=1 pt
Humanities	Any course that meets the General Education Humanities requirement: Core or Institutional	A=3 pts, B=2 pts, C=1 pt

Transfer courses may need to be reviewed by an Advisor for potential course substitution or equivalency. NOTE: 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.

ADDITIONAL ADMISSION POINTS (OPTIONAL)

HSC 1531	Medical Terminology	A=8 pts, B=6 pts, C=4 pt
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 (can also satisfy Humanities requirement)	A=3 pts, B=2 pts, C=1pt
Alternate	Previous year applicant selected as an Alternate	3 pts

ADMISSIONS POINTS FOR MANDATORY PANEL INTRVIEW

Panel Interview	Admission Committee will conduct a Panel Interview in the selection process. Note: 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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Total Points: _____ Total Possible Points: 102

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 purpose of 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 determining whether accommodations or modifications are necessary for the student to meet program requirements. A student who identifies potential difficulties with meeting the Performance Standards should communicate his/her concerns to an advisor in the Office for Students with Disabilities. The student has the responsibility to identify and document the disability and to request reasonable and appropriate adjustments. Determination is made on an individual basis as to whether any accommodations or modifications can be reasonably made.

Issue	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
Sample Form of the Health and Physical Core Performance Requirements

Assess Ability to Meet Program Requirements	Y E S	N O	If NO, Note Limitations	Assess Ability to Meet Program Requirements	Y E S	N O	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				Hand Manipulation (ability with...)			
Near Vision							
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			