

## CARDIOVASCULAR TECHNOLOGY A.S. DEGREE PROGRAM INFORMATION AND APPLICATION PACKET

The College of Central Florida is an open-access educational institution. Cardiovascular Technology is a limited-access program, which is one in which both program admission and course registrations are restricted to a certain number of students meeting predetermined criteria. Limited-access status is justified when student demand exceeds available resources or accreditation requirements (e.g., student-to-faculty ratios, instructional facilities and equipment, clinical education sites), or the nature of the program calls for specific admission requirements. Limited-access programs have admissions processes and criteria beyond general college admissions. While any student meeting the minimum criteria is encouraged to apply, not all applicants may be accepted.

Individuals seeking admission into the Cardiovascular Technology Program (CVT) must submit two applications: **a CF application and an CVT program application.**

Please note, all applicants to the CVT program must be 18 years of age by the start of the program.

To maintain enrollment in the Cardiovascular Technology program, a student **must earn a C or better in all courses required for the degree.** The first D or F earned will result in the student being withdrawn from the program. In Cardiovascular Technology courses with an CVT prefix, a C grade is 75 percent.

Individuals with a criminal history may not be eligible for admission to CF Health Sciences programs. Current laws generally permit a credentialing agency to deny any associated certification in Cardiovascular Technology (RCIS, RCES, RCS or RVS) if the applicant has been convicted of a felony or misdemeanor. The Cardiovascular Credentialing International agency (<https://cci-online.org/>) does require information regarding conviction of a felony and/or misdemeanor and/or current charges on the application, and may decide not to certify an individual based on the result of an investigation of those particular charges. In addition, clinical education affiliates may deny access to individuals based on results of a criminal background check and/or drug screens.

Individuals with concerns about a potential ethics violation, are highly encouraged to request a pre-application with CCI to determine eligibility for registration with their agency (<https://cci-online.org/wp-content/uploads/2022/12/CCI-Applicant-Handbook-Dec2022.pdf>). There is no other agency other than CCI that will provide registry certification for our graduates.

**Deadlines for Spring 2025 Cardiovascular Technology Program Information Sessions:** (see page 5)

**TEAS testing deadline: Oct. 23, 2024**

**Cardiovascular Technology program application window: Aug. 1, 2024-Oct. 24, 2024**

**Final advisor meeting and program checklist deadline: Oct. 23, 2024**



Dear Applicant,

The College of Central Florida is pleased to offer health care career preparation in the exciting field of Cardiovascular Technology. Students can complete prerequisite courses, general education and program core courses within seven semesters to earn an Associate in Science degree in Cardiovascular Technology.

CF's CVT graduates may find employment opportunities as Invasive or Non-Invasive Cardiovascular Technologists in hospitals, outpatient clinics, surgery centers, imaging centers and cardiac device companies. Invasive CVT graduates may also find job opportunities in other cardiac specialty fields such as cardiac electrophysiology, peripheral angiography or structural heart. Non-Invasive CVT graduates may also find job opportunities in other cardiac specialty fields such as vascular ultrasound, or representatives in the cardiac device industry.

Each graduate of the program may be eligible to apply for certifications as a Registered Invasive Cardiovascular Technologist (RCIS) or as a Registered Cardiac Sonographer (RCS). Upon passing the examinations, a graduate becomes certified as RCIS or an RCS. Graduates may also find opportunity to apply for CCI's other invasive cardiology registrations: Registered Cardiovascular Electrophysiology Specialist (RCES) or Registered Vascular Sonographer (RVS). Graduates seeking to pursue a Cardiopulmonary baccalaureate degree may consider employment opportunities in education, management, equipment applications, equipment sales and bioengineering to name a few.

The CVT program is designed to allow students to take theory learned in the classroom and apply it to practice in the simulation lab and clinical environments. Our students are welcomed as a part of the health care team beginning their clinical education from the third semester of the program, after being adequately prepared for their basic clinical responsibilities. Students receive clinical supervision and support while learning from some of the best practicing invasive cardiovascular professionals and echocardiographers in Marion, Citrus, Levy and surrounding counties. The enclosed application and information packet will explain the application process to CF and the Cardiovascular Technology program. If you are interested in the program, please contact us to assist you with scheduling and any academic advising needs. We truly look forward to working with you in planning your future as a Cardiovascular Technology professional.

### CF Cardiovascular Technology Program Contacts

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<p><b>Deyanira Garcia</b>  <b>Educational Advisor, Student Success</b>  <b>Bryant Student Union, Room 201</b>          352-854-2322, ext. 1617  <a href="mailto:garciad@cf.edu">garciad@cf.edu</a></p>	<p><b>Jennifer Singleton</b>  <b>CVT Staff Assistant</b>  <b>Allied Health Sciences (Bldg. 6)-Front Desk</b>          352-854-2322, ext. 1717  <a href="mailto:singleje@cf.edu">singleje@cf.edu</a></p>

## CF Cardiovascular Technology Program

The CF Cardiovascular Technology program is dedicated to providing a quality education for individuals in the art and science of Invasive and Non-invasive Cardiovascular Technologies. CF is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate and baccalaureate degrees ([www.sacscoc.org](http://www.sacscoc.org)). College of Central Florida is also approved by the Florida Department of Education to award associate degrees, baccalaureate degrees, college credit certificates and occupational certificates ([www.fldoe.org](http://www.fldoe.org)). The Cardiovascular Technology program is currently seeking accreditation.

### Cardiovascular Technology Program Mission

**Our program's mission:** To prepare all our Cardiovascular Technology students to demonstrate critical thinking, competent clinical skills, effective communication and model the professionalism required in their discipline, while serving patients in the tri-county area of Marion, Citrus and Levy counties.

### Cardiovascular Technology Program Goals:

- Prepare cardiovascular technologists who are competent in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to enter the profession of Invasive cardiovascular technology.
- Prepare diagnostic cardiac sonographers who are competent in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to enter the profession of Adult Cardiac Sonography.

The Associate in Science degree program in Cardiovascular Technology is a full-time, five-semester, 77-credit-hour commitment. There are two tracks to choose from: **Invasive Cardiovascular Technology** or **Non-Invasive Cardiovascular Technology**. **Invasive CVTs** work in the field of Interventional Cardiology where they assist physicians during procedures that are performed to treat cardiovascular disease. These procedures are performed in a sterile, team environment, that uses X-ray equipment to view equipment that is invasively placed, inside a patient's body, to diagnose and treat cardiovascular disease. **Non-Invasive CVTs** work in the field of Diagnostic Cardiology in an area called echocardiography. Non-Invasive CVTs usually work independently performing ultrasound imaging of a patient's cardiovascular system. Echocardiography procedures are generally completed without going inside the patient's body (non-invasive). Diagnostic Cardiac Sonographer may also assist physicians during more complex imaging procedures that may be minimally invasive (procedures that involve limited viewing inside a patient's body, not requiring sterile access procedures).

Each track in the program focuses on the knowledge and skills necessary to become either an Invasive Cardiovascular Technologist or Diagnostic Cardiac Sonographer. The core curriculum utilizes a basic knowledge and competency-based approach and is not limited to an introduction to patient assessment, care and safety; anatomy and physiology; cardiovascular and other associated pathology; quality control; cardiovascular pharmacology; Basic Life Support (BLS), introduction into cardiovascular technologies, introduction to diagnostic cardiac imaging, cardiac Electrocardiography (EKG).

**The Invasive track** curriculum uses a basic knowledge and competency-based approach and is not limited to Advanced Cardiac Life Support (ACLS), diagnostic cardiology concepts and imaging, interventional cardiology concepts and imaging, adjunct invasive cardiology procedures and equipment, introduction to structural heart procedures and equipment, Introduction to cardiac electrophysiology concepts, procedures and equipment and

introduction to peripheral vascular angiography. This track also includes practical case study presentation in the last semester of the program before graduation. It will also require competency-based education obtained through clinical practice within a cardiac catheterization lab.

**The Non-Invasive track** curriculum also uses a basic knowledge and competency-based approach and is not limited to ultrasound physics concepts and theory, ultrasound instrumentation, basic echocardiography instrumentation and imaging, advanced echocardiography instrumentation and imaging, introduction to peripheral vascular ultrasound instrumentation and imaging. This track also includes practical case study presentation in the last semester of the program before graduation. This track will also require competency-based education obtained through clinical practice within an echocardiography department/office or suite.

Successful Cardiovascular Technology students are honest, compassionate, focused, organized, competent, flexible, accountable, professional, self-motivated, responsible, open-communicators and critical thinkers. Successful students possess high emotional intelligence and interpersonal skills. Full-time employment is strongly discouraged while enrolled in the Cardiovascular Technology Program. This is an academically demanding program, as are all Health Science programs. Students need to be prepared to be present on campus at least two-three times per week in addition to two-three days each week for clinical rotations (consist of a 10–12-hour work day,) and to also anticipate to spend a minimum of two or three hours each day studying and practicing skills outside of scheduled classroom or laboratory activities. Reliable transportation will be necessary. Students are responsible for making their own transportation arrangements for various assigned clinical rotations during the final three semesters enrolled in the program. Several clinical sites are located outside of the Ocala area. Currently, the program has additional clinical sites within Alachua, Lake, Citrus, Sumter, and Levy counties. No guarantees will be made that students can remain in the Ocala area for all clinical rotations. Currently, the CF Cardiovascular Technology Program does not accept Cardiovascular Technology transfer students.

The program is restricted to applicants who have met specific requirements. Data provided is informational only and not intended to be contractual in nature. Information is subject to change without notice. The packet includes the following information:

- admission criteria and other points of interest for admission to the College of Central Florida and the program
- admission criteria and process used to admit applicants into this limited-access program
- approximate cost for the program of study
- curriculum for the program of study
- application to the program
- applicant's checklist.

## Part 1: Minimum Admission Requirements (MAR)

In order to be considered for acceptance into the Cardiovascular Technology Program, all Minimum Admission Requirements must be completed and submitted prior to the published deadline. These requirements are listed below and detailed throughout the remainder of the information packet. It is the applicant's responsibility to be sure that admission requirements are met according to this information packet. No notices will be sent.

### Applicant Requirements and Minimum Criteria for Cardiovascular Technology Program Application

#### 1. Completion of a CF Application

- Submit a College of Central Florida application and be accepted as a student in good standing (<https://mycf.cf.edu/ICS/Admissions/>).
- Designate major code 1491 with concentration code of 1320 as the intended pathway. Students with an A.A. or higher must use major code 9240, (Limited Access Health Sciences).
- Note: If you are a past CF student who has not been enrolled for a year or more, please complete the readmit application; there is no charge for readmit, but new documentation may be required.
- Acceptance to the college does not guarantee acceptance to the program.

#### 2. Submission of Transcripts

- Applicants must submit college transcripts from all institutions attended to the Admissions office in Bryant Student Union (Building 5) on the Ocala Campus.
- Minimum of 2.0 GPA with no rounding (4.0 scale) on all college academic transcripts.
- Completion of the following seven general education courses with a C or higher: ENC1101, BSC2085, BSC2085L, MAC1105, BSC2086, BSC2086L and HSC2531. Points will be given for grades of C or higher towards admission into the program.
  - o **All Science Courses:** These courses must be fewer than seven (7) years old at the time of starting the first semester of the program. For students who have courses older than seven years, applicants may choose to:
    - o Retake the course(s) or
    - o Pass an appropriate exam administered by the CF Science Department. If the applicant chooses to take an exam, the applicant must plan for the exam and pay the exam fee of \$100 per course.
  - \*Students will need to meet with their academic advisor to complete either of these options. Science courses include BSC 2085/L, BSC 2086/L and MCB 2010.
- The following general education courses may be taken with CVT core curriculum (or as a prerequisite): MCB 2010, Civics (AMH 2020 or POS 2041) and Humanities (PHI 2010 preferred). While there is no prescribed semester to have these completed by within the CVT curriculum, all the corequisites along with the Civics Literacy Exam **MUST** be successfully completed to graduate from the program.
  - \*MAC 1105 and MAC 1105H require a prerequisite (MAT 1033 Intermediate Algebra) or successful college-level math (CLM \$10 fee) pretest placement scoring.



- **Recommendation:** It is suggested, but not required, that students take MCB 2010 and AMH 2020 (or equivalent and civic exam) and any Humanities (Preferred: PHI 2010) before the program begins. Students who have successfully completed all the prerequisite courses, including the above mentioned, for the CVT program will be rewarded admission points (please see page 9).

### 3. Information Session

- Register for and attend a mandatory program information session within 12 months of application but no later than Oct. 1, 2024.
- The date of attendance must be documented on the program application.
- A list of session dates and time are provided online [at https://www.cf.edu/academics/areas-of-study/health-sciences/](https://www.cf.edu/academics/areas-of-study/health-sciences/).

### 4. AHA CPR Certification:

- All Cardiovascular Technology applicants must complete an American Heart Association approved Basic Life Support course and obtain certification.

### 5. Completion of the TEAS Exam

- Students must complete the Test of Essential Academic Skills (TEAS) (current version) at least once by the end of the application period.
- Students can take the TEAS exam (current version) unlimited times. The highest scores will be accepted.
- Submitted TEAS scores must be from within the past two years.
- There is no minimum passing score. However, if an applicant receives a 60% or higher, the applicant will be awarded points in the admission process (to see how many points are awarded per range of test scores, (go to page 9).
- Admissions points will be given for the **composite TEAS** score (weighted 30%) and **TEAS science sub score** (weighted 20%) separately.
- It is recommended that students meet with the Academic Advisor to ensure they are program-ready before scheduling the TEAS exam.

#### ○ TEAS Exam Registration and Information

Students taking the TEAS must register at [www.atitesting.com/login](http://www.atitesting.com/login). If you do not have an ATI account, you will need to create one. You have several options on how to take your ATI TEAS exam.

- TEAS can be taken at CF (Citrus, Levy Ocala campuses). This can either be on campus (in-person) or online (at home) with a remote proctor overseeing your exam.
- TEAS at ATI - an online (at home) remote proctored exam. ATI will remote proctor your exam using ATI proctors.
- TEAS at PSI in-person at a PSI Testing Center. PSI has testing centers across the United States that administer the TEAS exam. For a complete list of PSI testing centers, please go to: <https://www.atitesting.com/teas/register>.
- Cost: If taken at CF, the test will be \$112; if taken remotely with ATI, the test will be \$120.
- One free transcript is included with your exam registration and can be obtained 24 hours after the exam is on your ATI portal.

- ATI will forward your scheduled date and time to the institution of your choice.
- For any additional questions, contact the CF Testing Center at 352-854-2322, ext. 1564, for the Ocala Campus, ext. 6168 for the Citrus Campus, or ext. 2100 for the Jack Wilkinson Levy Campus.

## 6. Final Pre-Application Advisor Meeting

- Meet with the Advisor to discuss minimum admission requirements and complete the program checklist. Deadline for final pre-application advisor meeting is **Oct. 23, 2024**.

## 7. Completion of the Cardiovascular Technology Program Application

- Submit your program application with all required documentation to the program office in Ocala Campus Allied Health Sciences Building 6, Front Desk or by email to [singleje@cf.edu](mailto:singleje@cf.edu) by **October 24, 2024 by 4:30 p.m.**
- Completed and signed application. Please remember to indicate which CVT Track you are applying for.
- Copy of student's degree audit.
- Copy of Advisor Checklist.
- Copy of state driver's license or identification card to verify 18 years of age by the application deadline.
- Please include the completed acknowledgement form for the "Cardiovascular Technology Acknowledgement" form. This form can be found on the last page of this information packet.

## Part 2: Applicant Ranking and Candidate Selection Process

All applicants meeting the required criteria will be assigned points earned in the categories listed in the Applicant Ranking System form. Applicant points will be converted to percentage points with the highest total percentages selected as candidates for the cohort until it is filled. The limited-enrollment program admits up to 20 candidates annually, with a 10-student limit in the invasive track and 10-student limit in the non-invasive track, every spring semester. Total student limits depend on clinical education site availability. Should two or more applicants have the same number of percentage points, the applicant with the earlier review date will be ranked higher. The applicants listed by ranking status (highest to lowest) not selected for the cohort will be placed on an alternate list. If any selected candidate withdraws from the cohort before the first course starts, the first alternate will be offered cohort placement. If that applicant declines, the next alternate on the list will be contacted and so on until the cohort is filled.

Applicants who did not meet the minimum criteria, were not accepted or declined admission, or remained on the alternate list and wish to be considered for the next available cohort must apply the following year.

## Points for Cardiovascular Technology Program Admission

Cardiovascular Technology Program Applicant Ranking System	Grade/Score/ Points	Points Earned
<b>Required Completed General Education Courses</b> <b>Calculation: Grade Value x Number of Credit Hours</b> (A: 4x3=12; B: 3x3=9; C: 2x3=6)      Didactic Course    A=12    B=9    C=6 (A: 4x1=4; B: 3x1=3; C: 2x1=2)      Lab Course            A=4    B=3    C=2		
<b>Completion of the following required general education courses prior to application</b> (GPA is 50% of the Overall Score):		
ENC 1101 Freshman Composition Skills I	Grade:	
MAC 1105 College Algebra	Grade:	
HSC 2531 Medical Terminology	Grade:	
BSC 2085 Human Anatomy and Physiology I	Grade:	
BSC 2085L Human Anatomy and Physiology I Lab	Grade:	
BSC 2086 Human Anatomy and Physiology II	Grade:	
BSC 2086L Human Anatomy and Physiology II Lab	Grade:	
MCB 2010 Microbiology	Grade:	
AMH 2020 United States History Since 1877 or POS 2041 American National Government	Grade:	
ARH 1000 Art Appreciation or HUM 1020 Introduction to the Humanities or HUM 1020H Honors Introduction to the Humanities or LIT 1000 Introduction to Literature or MUL Music Appreciation <b>*PHI 2010 Introduction to Philosophy</b> *This is a preferred course and will be given extra points below, but is not a required course to meet this requirement.	Grade:	
TEAS Composite Score (30% of the Overall Score)		
TEAS Science Score (20% of Overall Score)		
<b>Total Points (Maximum Available)</b>	<b>196</b>	
<b>Extra Points</b>		
Applicant has successfully completed all prerequisite courses before the start of the application deadline (obtained a grade of C or higher)	3	
PHI 2010 Introduction to Philosophy <i>Please note that PHI 2010 is <b>not</b> a program requirement but is highly recommended</i>	1	



Completion of the Florida Civic Literacy exam before the start of the CVT program	2	
Military experience with honorable discharge (copy of DD 214)	2	
Highest degree earned: Master's Degree or Higher (4), Bachelor's Degree (3), Associate Degree (2)	4	
Florida Healthcare License: Currently practicing (letter from employer and license) <b>or</b> not currently practicing (copy of license)	3 2	
Previous Qualified Applicant (2024 applicant pool only)	1	
Legal Resident of Marion, Citrus or Levy County (driver's license)	1	
<b>Total Extra Points (Maximum Available)</b>	<b>19</b>	
<b>Grand Total Points (Maximum Available)</b>	<b>215</b>	
<b>Percentage Points</b>		

**Points for TEAS Scores:** Points awarded for TEAS test scores above 60% and higher.

TEAS Composite Score Range	Points
95-100	56
90-94.99	51
85-89.99	46
80-84.99	41
75-79.99	36
70-74.99	31
65-69.99	26
60-64.99	21
<60	0

TEAS Science Sub Score Range	Points
95-100	36
90-94.99	32
85-89.99	28
80-84.99	24
75-79.99	20
70-74.99	16
65-69.99	12
60-64.99	8
<60	0

## FUNCTIONAL CAPABILITIES

### Physical and Psychological Requirements

Applicants to the CF Cardiovascular Technology program- Invasive Track and Non-Invasive must be able to meet the following functional capacities, as indicated below. They are non-academic criteria and are functional capabilities required of Cardiovascular Technology students and Cardiovascular Technology professionals. A prospective CVT candidate must demonstrate the physical and psychological ability to provide safe patient care. Students who believe they will not be able to meet one or more of these requirements without accommodation must notify the Program Manager and a determination will be made on a case-by-case basis whether reasonable accommodation may be made. In no instance will an accommodation be made that will put the applicant, other learners or patients at risk. Many of these requirements will be learned in the program.

General Requirements: Applicant has the ability to:	Occasionally	Frequently	Continuously	Related tasks
Sit			X	<b>Non-Invasive-</b> Cardiac imaging and documenting requires sitting and standing positions. <b>Invasive-</b> There are a few positions in the procedure and one is as a monitor. This requires prolonged periods of sitting while monitoring and documenting procedures.
Stand			X	<b>Non-Invasive-</b> It is common to perform imaging while in the standing position. Many studies in the hospital are generally done in standing position in a patient's room. <b>Invasive-</b> Performing cardiac procedures is done in the standing position by all procedural performing staff. Standing can last anywhere from 1 hour to more depending on the complexity of the procedure.
Walk			X	<b>Invasive-</b> All procedures require set-up, turn over and patient transfer. All these tasks require the staff to be able to walk for a good portion of their shifts. <b>Non-Invasive-</b> Many shifts require continuous walking to and from scheduled patients, maybe within a small area of

				departmental rooms or throughout the hospital.
<b>Drive</b>	X			The staff is not required to drive during their shifts, but all staff and students are required to locate to the clinical sites for their shifts.
<b>Bend</b>			X	Bending is required while moving patients, setting up or turning over the procedural rooms, managing multiple equipment and technologies in the rooms, working with intraprocedural equipment and assisting physicians during procedures. It is also required for equipment inventory management.
<b>Climb</b>	x			May be required during setting up, turning over rooms or inventory management.
<b>Crouch</b>		X		May be required when setting up or troubleshooting some of the procedural or imaging equipment.
<b>Twist</b>			X	<b>Invasive</b> -Required when performing cardiac procedures. In a sterile environment your range of motion is less and requires smaller and more close maneuvers. <b>Non-Invasive</b> -May be required to obtain specific imaging or to accommodate patient needs during imaging.
<b>Maintain Balance</b>			X	Staff must maintain their body's balance while performing cardiac procedures and imaging that require longer standing times and during patient physical support during transfer or patient care.
<b>Reach</b>			X	Required when performing cardiac procedures and imagining.

				<p><b>Invasive</b>-In a sterile environment your range of motion is less and requires smaller and more close maneuvers.</p> <p><b>Non-Invasive</b>- It is very common to have to obtain imaging with an extended reach, especially when accommodating larger patients.</p>
<b>Sensory Requirements: Applicant has the ability to:</b>	<b>Occasionally</b>	<b>Frequently</b>	<b>Continuously</b>	<b>Related tasks</b>
<b>Far vision- Maybe corrected with glasses.</b>			<b>X</b>	Students will need to be able to see further away to anticipate patient needs during procedure. Needs to be able to visualize procedural imaging and ultrasound imaging to determine proper patient care and equipment maneuvering, both in clinical rotations and on campus during simulations.
<b>Near Vision-May be corrected with glasses.</b>			<b>X</b>	Students will need to be able to manipulate small objects, imaging equipment and procedural equipment. This requires detailed observations and manipulations. Also related to patient monitoring and documentation technologies, paperwork and charting.
<b>Color Vision</b>			<b>X</b>	Some technologies utilize color in the imaging and students will be required to interpret such data to help guide and assist in cardiac procedures and performing ultrasound imaging.
<b>Depth Perception</b>			<b>X</b>	Students will need to move in a confined environment which may be crowded with multiple equipment. Also, they will be required to manipulate small pieces of procedural equipment, that require fine detailed manipulation. They will also need to visualize multiple imaging and diagnostic

				equipment to assist in cardiac imaging procedures.
<b>Seeing Fine Details</b>			<b>X</b>	Students will be required to manipulate small pieces of procedural equipment, that require fine detailed manipulation. They will also need to visualize multiple imaging and diagnostic equipment to assist in cardiac procedures and care for patients.
<b>Hearing Normal Speech</b>			<b>X</b>	Students should be able to function in a procedural area, while a smaller area, the team works in masks and can sound muffled. Invasive and non-invasive care for the patient requires immediate recognition of speech communication and response.
<b>Hearing Overhead Pages</b>			<b>X</b>	Students should be able to hear overhead pages in the clinical setting so they are able to readily respond to incoming emergencies.
<b>Telephone use</b>			<b>X</b>	Students should be able to hear and speak using a telephone system. Staff will receive all communications, patient/procedural documentation support and conduct interdepartmental reporting using the telephone system.
<b>Mental and Emotional Requirements: Applicant has the ability to:</b>	<b>Yes</b>	<b>No</b>	<b>Related tasks</b>	
			*These requirements are based on situations that may arise in any emergent critical care work environment; it does not mean it is an everyday occurrence. Students are not expected to handle these situations alone, they will be taught how to approach these situations as a team.	
<b>Cope with a high level of stress</b>	<b>X</b>		<b><i>This is not a common requirement in non-invasive CVT.</i></b> <b>Invasive CVT-</b> The cardiac catheterization lab is an emergent critical care area. Incoming patients may require advanced life support skills of the	

			staff in a life/death situation. Students should be open to assisting in these situations.
Make decisions under high pressure	X		<i>This is not a common requirement in non-invasive CVT. See above for Invasive CVT.</i>
Cope with anger/fear/hostility of others in a calm way	X		<i>This is not a common requirement in non-invasive CVT.</i> It is important to understand that in life-or-death situations our patients may react in many different ways, none of which is in our control. We have to be able to respond in a supportive manner, while protecting ourselves as well as our team. Students should be open to learning how to manage these situations.
Manage altercations	X		See above <i>This is not a common requirement in non-invasive CVT.</i>
Concentrate	X		Students need to be able to focus and concentrate during the procedures and imaging-there are fine details that need to be documented for patient care and treatment. <b>Invasive CVT-</b> The cardiac catheterization lab also performs conscious sedation on their patients to help with comfort during the procedure. This requires administration of controlled substances and other medications that can greatly affect our patients.
Handle a high degree of flexibility	X		This work environment may require quick changes in focus and attention. Students should be open to learning in fast and slow-paced environments, learning multiple technologies and completing tasks that may change without timely notice.
Handle multiple priorities in a stressful situation	X		<i>This is not a common requirement in non-invasive CVT.</i> <b>Invasive CVT-</b> It is common to have to perform skills and display knowledge in stressful situations.
Work alone	X		<i>This is not a common requirement in Invasive CVT (Team environment)</i> <b>Non-Invasive CVT- MUST</b> be self-motivated. It is common to be working alone to complete pre-scheduled tasks that need to be done in a timely and efficient way.
Demonstrate a high degree of patience	X		In both areas patient care always requires a high degree of patience. Working in cardiology areas require patience from all team members. This work requires attention to detail, fine-tuned skills



			and techniques, repetition and focused work to an ultimate goal. Students should expect to be patient in learning and ready to practice their skills constantly for mastery.
<b>Adapt to work shift</b>	<b>X</b>		The cardiac catheterization lab and the echocardiology department both have shift work, but may also requires on call shifts for emergencies, as well as holidays and weekends. Every workplace may vary. <b>Invasive-</b> Procedures do not just stop when your shift ends. You may have to stay late in order to finish procedures already in motion.
<b>Work in areas that are close and crowded</b>	<b>X</b>		<b>Invasive-</b> Cardiac catheterization labs are not huge rooms. There are usually 3-4 people in the rooms during procedures, working closely focused on one specific area in the room where the patient is. <b>Non-Invasive-</b> Generally varies from patient hospital rooms working around other equipment that may be present to smaller imaging suites.
<b>Able to work in changing light conditions</b>	<b>X</b>		<b>Invasive-</b> Cardiac catheterization procedural rooms change from full light to near full darkness due to the needs for changing imaging visualization. <b>Non-Invasive-</b> Generally imaging is performed in low light setting to visualize ultrasound images.
<b>Lifting requirements: Applicant has the ability to:</b>	<b>Occasionally</b>	<b>Frequently</b>	<b>Continuously</b>
<b>Lift up to 34 pounds</b>			<b>X-</b> Equipment and inventory movement.
<b>Push/pull up to 100 pounds</b>			<b>X-</b> Equipment and inventory. As an everyday occurrence it is common with patient movement and positioning.
<b>Environmental Exposure Requirements: Applicant may be exposed to:</b>	<b>Yes</b>	<b>No</b>	<b>Related tasks</b>
<b>Infectious Diseases</b>	<b>X</b>		Students are required to understand how to safely work with and protect themselves and others from bloodborne pathogens, airborne or contact associated infectious agents.
<b>Chemical Agents</b>	<b>X</b>		The large majority of the substances we use in the cardiac catheterization labs are safe and used in a controlled manner.

			<i>This is not a common requirement in non-invasive CVT.</i>
<b>Dust, Fumes and Gases</b>	<b>X</b>		All gases used in the cardiac catheterization labs are safe and in a controlled environment.
<b>Occupational Radiation</b>	<b>X</b>		Students must understand the properties of radiation and how to work safely in an environment that utilizes radiation (X-Rays) for imaging. <i>This is not a common requirement in non-invasive CVT.</i>
<b>Hand Manipulation: Applicant has the ability to perform:</b>	<b>Occasionally</b>	<b>Frequently</b>	<b>Continuously</b>
<b>Simple Grasping</b>			<b>X</b>
<b>Firm Grasping</b>			<b>X</b>
<b>Fine Manipulation of small objects</b>			<b>X</b>
<b>Use of Keyboards</b>			<b>X</b>

These are essential physical and mental skills that Cardiovascular Technology students must possess to satisfactorily progress through the curriculum. Should prospective students have a pre-existing condition that prohibits their ability to perform one or more of these skills, it is highly advised that the students pursue professional assistance for an evaluation of career suitability. Learners who have a disability that may impact upon the ability to provide patient care may want to contact the College of Central Florida Disability Services Department. The college fully supports and ensures compliance of the Americans with Disabilities Act of 1990, Section 504 of the Rehabilitation Act of 1973, and all other pertinent federal, state, and local disability anti-discrimination laws. View CF's Continuous Notice of Nondiscrimination. Students with disabilities are encouraged to register with Disability Services. For more information visit the Disability Services office, email [disability@cf.edu](mailto:disability@cf.edu) or call 352-873-5843. Arrangements can be made to meet with students, staff, or faculty at any of the college's locations.

## Other Health Science Student Health and Physical Requirements:

- To verify a student's ability to provide essential patient care during clinical training, a physical examination may be required. This examination will be documented by a physician/nurse-practitioner/physician assistant on the form provided by CF Cardiovascular Technology program.
- Subsequently yearly TB screening is required. Participation in clinical education is contingent upon negative documentation and/or appropriate medical treatment and clearance.
- Students with HIV infection are not restricted from pursuing the Associate in Science degree in Cardiovascular Technology. Students are required to implement standard precautions in the care of all individuals. However, those with secondary infections or open skin lesions as a result of HIV infection must not provide direct care to avoid placing patients at risk. Students with HIV/AIDS will be provided reasonable opportunities to continue their Cardiovascular Technology education or complete required components of their education and clinical experiences.
- Proof of standard immunizations are also required as requested by our clinical affiliate sites. These immunizations include, but may not be limited to: MMR, Varicella, IPV, DTaP and Tdap.
- Students are required to be vaccinated for Hepatitis B prior to clinical education or sign a waiver of declination. If a student declines HBV, a clinical externship site may restrict the student from completing the externship at their site, which may jeopardize the student's ability to secure and complete the clinical education component of the program.
- Many health care organizations are now requiring mandatory annual influenza vaccination for all employees, physicians, volunteers, contract preceptor, learners, and others who work, provide services, or train at their facilities. Students enrolled in the Cardiovascular Technology program may be required to receive the annual influenza vaccination in order to maintain their status at a clinical education site. Declination forms may be available, but may require the students to complete their clinical rotations under specific guidelines mandated by the clinical affiliate site.
- Many health care organizations are now requirement mandatory COVID-19 vaccination for all employees, physicians, volunteers, contract preceptors, learners and other who work, provide services, or train at their facilities. Although the College of Central Florida does not require COVID-19 vaccination, all students accepted into the CVT program must receive clearance to participate in clinical educational rotations at all of the program's clinical sites. Students will be required to adhere to clinical affiliate procedures and guidelines, every attempt will be made to assist all students in meeting their clinical goals.
- Occasionally, a student may experience a change in the status of these requirements while progressing through the curriculum. The student learner is required to notify the faculty of any changes. The student will be provided with referrals for professional assistance. Each student will be given the opportunity to meet clinical objectives within a reasonable amount of time as determined by the Program Manager in consultation with the assisting professional. However, a student may be denied continued enrollment in the program until any identified issue is resolved. Should the issue remain unresolved after a reasonable period of time, the student may be terminated from the program.

### Part 3: Items to be Completed by Conditionally Accepted Candidates

Students who are offered conditional acceptance into the CVT program will be notified by CF email. Students selected **MUST** submit and complete the following steps:

- Sign the Acknowledgement of Conditional Acceptance form and email it to [singleje@cf.edu](mailto:singleje@cf.edu) by the date specified in the conditional acceptance email, indicating if you accept or decline your placement in the program.
- Submit all health forms (including completed physical exam form, background check, drug screen, any laboratory test results and immunization records) by the date indicated in the acceptance letter.
- Attend the mandatory program orientation on the date specified in the acceptance letter.
- Obtain mandatory Basic Life Support (BLS) Provider (CPR and AED) certification provided by the American Heart Association (ONLY) by the date specified in your acceptance letter.
- Provide documentation of completion of the Healthcare: Bloodborne Pathogens course letter by the date indicated in the acceptance letter. For assistance visit: <https://www.probloodborne.com/en/>.

#### Criminal Background Check Procedure

All Health Sciences students must have a federal criminal background check. The background check must be completed at CF. Scheduling for fingerprinting varies. Follow the procedures listed below for the criminal background check.

CF Health Sciences Department must initiate background checks on its students. This check should be conducted after receiving a conditional acceptance letter. Instructions for initiating the check will be included in the applicant's acceptance letter. Individuals with a criminal history may not be eligible for admission to Health Sciences programs. If a criminal history is shown, the student will receive written communication and will be given the opportunity to appeal the issues in the background check. The appeal will go before a committee that will determine eligibility for acceptance to the program. However, even if the appeal is granted, there is no guarantee that the clinical agencies will approve a student for clinical education or that CCI (certifying agency) will allow a graduate to apply for a certification to become a Registered Cardiovascular Invasive Specialist (RCIS).

Any person wishing to apply to the CVT program with concerns about a potential ethics violation are highly encouraged to perform a pre-application review with CCI as soon as possible. CCI's Pre-Application Policy is:

- Applicants with questions regarding personal criminal matters may request a pre-application to determine whether they qualify for the CCI credentialing process.
- CCI reserves the right to deny an application, revoke the eligibility of a candidate, or act against any registrant who has been convicted, pled guilty, or pled nolo contendere (no contest) to an offense that is classified as a misdemeanor or felony which is directly or indirectly related to patient care or public health. Crimes which may directly or indirectly relate to patient care or public health include, but are not limited to murder; attempted murder; manslaughter; rape; attempted rape; sexual assault; sexual abuse; assault; driving while intoxicated or impaired; controlled substance abuse; and fraudulently altering medical documentation, insurance claims, and medical prescriptions.

- Pre-application requests must be made by the applicant. Pre-application requests will not be accepted from any third party, including but not limited to educational programs. A \$50 USD fee is required at the time of pre-application, and this fee is non-refundable.
  - For Pre-Application procedures, please go to the CCI website, [www.cci-online.org](http://www.cci-online.org), select the specific exam you are interested in and click on the Apply for Exam section.

### Substance Abuse Screening:

Substance screening is required for all program applicants and is required as part of the acceptance portion of the process. Failure to submit substance screening results or any positive results will eliminate the applicant from the program. At any time in the program, if a student is exhibiting questionable behavior indicating drug or alcohol abuse, a substance screening may be required. Failure to complete Part 3 within the timeframe allotted will result in the loss of placement in the program. Students enrolled in a health-related program are required to complete a substance screening and be drug and/or alcohol free when at the college and while at affiliating agencies (including parking lots and grounds). Individual clinical education sites may require students be subject to the drug testing policies including, but not limited to, when there is reasonable suspicion to believe a student may be impaired, or is using or has used illegal drugs and/or alcohol. The student may be tested in accordance with the affiliating clinic education site policies. If tested by a clinic education site, the student shall provide the Program Manager a copy of any test results. Failure to promptly do so shall be grounds for dismissal from the program. A positive drug or alcohol test shall also be grounds for dismissal from the program. This paragraph also applies to students already enrolled in a Health Sciences program at the time of the effective date of this policy. (CF Policy 3.19)

- Students are responsible for notifying the Program Manager of any arrests, regardless of adjudication, which occur after acceptance and during enrollment. Eligibility for the student's continued enrollment in the program due to this arrest will be determined. Failure to promptly notify the Program Manager shall be grounds for dismissal.

### Financial Aid

Financial Aid is available to qualified applicants. Funds are available through scholarships, grants, work-study, Veteran's Administration, Social Security, and other special projects. To be considered for any type of financial assistance (grants, scholarships or loans) you MUST obtain and fill out the Free Application for Federal Student Aid. Please read and follow ALL instructions provided in the application or online. This packet is available at any of the CF Enrollment Services Centers (see below) or at [www.fafsa.ed.gov](http://www.fafsa.ed.gov).

The FAFSA supplies the basis for determining a student's need for financial assistance. The FAFSA is REQUIRED for ALL types of financial assistance including scholarships, grants or loans. You should list CF as the college of first choice (Code 001471).

Applicants must also complete and submit the CF Scholarship Application Package that can be found at CF.edu. It is your responsibility to complete this paperwork accurately and on time. The entire process takes a minimum of six (6) to eight (8) weeks (sometimes longer), and you must apply each academic year (fall through summer) that you wish to be considered for financial help. Need help? Stop by the CF Enrollment Services Centers:

<b>Ocala Campus</b> Bryant Student Union, Room 101 352-854-2322, ext. 1393	<b>Wilton Simpson Citrus Campus</b> Citrus Learning and Conference Center, Main Level 352-746-6721, ext. 6100	<b>Jack Wilkinson          Levy Campus</b> 352-658-4077, ext. 2101
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## Estimated Cost of the CVT Program

	TUITION Per College Credit	TUITION CVT Program (77 credits)
<b>In State</b>	<b>\$112.92</b>	<b>\$8,694.84</b>
<b>Out of State</b>	<b>\$438.20</b>	<b>\$33,741.40</b>

<b>Additional Program Costs</b>	
CF Application Fee	\$30
PERT Test	\$15
TEAS	\$112
Physical Exam	\$50
Vaccinations (estimated)	\$400
BLS (book and class)	\$55
ACLS (Invasive only)	TBD
Uniforms (estimated)	\$250
Criminal Background Check	\$55
Student Background Check	\$40
Drug Screening	\$29
Clinical Compliance Tracker	\$38
Equipment/Supplies	TBD
Textbooks (CVT Courses)	TBD
Invasive Lab Fees (CVT Courses)	\$605.40
Non-Invasive Lab Fees (CVT Courses)	\$251.36
Trajecsys System Fee (included in lab fees)	\$150

Additional costs may or may not be covered by financial aid. Student is responsible for travel arrangements during clinical rotations. Travel costs will vary depending on the location of the clinical assignments. Students are engaged in clinical education in CF's service areas (Marion, Citrus and Levy counties) and sometimes beyond. Students must plan on traveling up to one hour or more from the CF Ocala Campus to a clinical site. Clinical schedules can vary and may include evenings



## Prerequisite General Education Courses SEMESTER 1

#	Course #	Course Title	Credits
1	ENC 1101	Freshman Composition Skills	3
2	BSC 2085	Human Anatomy and Physiology I	3
3	BSC 2085L	Human Anatomy and Physiology I Lab	1
4	MAC 1105	College Algebra or higher (Prerequisite: MAT 1033)	3
		<b>Total</b>	<b>10</b>

## SEMESTER 2

#	Course #	Course Title	Credits
5	BSC 2086	Human Anatomy and Physiology II	3
6	BSC 2086L	Human Anatomy and Physiology II Lab	1
7	HSC 2531	Medical Terminology	3
		<b>TOTAL:</b>	<b>7</b>

## Core Cardiovascular Technology Courses

### Spring 1

#	Course #	Course Title	Credits
1	<b>CVT 1000C</b>	Introduction to Cardiovascular Technology	2
2	<b>CVT 1260C</b>	Cardiopulmonary Anatomy and Physiology	3
3	<b>CVT 1800L</b>	Cardiovascular Clinical Pre-Practicum I	2
4	<b>CVT 1270</b>	Pathophysiology	2
5	MCB 2010	Microbiology	3
6	AMH 2020	U.S. History 1877 (or course meeting Gen Ed requirements)	3
		<b>TOTAL:</b>	<b>15</b>

### Summer 1

#	Course #	Course Title	Credits
7	<b>CVT 1205C</b>	Cardiovascular Pharmacology and EKG Management	3
8	<b>CVT 2420C</b>	Invasive Cardiology I ( <b>Invasive CVT only</b> )	3
9	<b>CVT 1801L</b>	Cardiovascular Clinical Pre-Practicum II ( <b>Invasive CVT only</b> )	2
10	<b>CVT 1610C</b>	Ultrasound Physics I ( <b>Non-Invasive CVT only</b> )	4
11	<b>PHI2010</b>	Introduction to Philosophy (recommended-points given) or course meeting Gen Ed requirements	3
		<b>Invasive CVT TOTAL:</b>	<b>8</b>
		<b>Non-Invasive CVT TOTAL:</b>	<b>7</b>

### Fall 1

#	Course #	Course Title	Credits
12	CVT 2620	Non-Invasive Cardiology	3
13	CVT 2211C	Critical Care Applications ( <b>Invasive CVT only</b> )	2
14	CVT 2840L	Cardiovascular Invasive Practicum ( <b>Invasive CVT only</b> )	6
15	CVT 1616C	Ultrasound Physics II ( <b>Non-Invasive CVT only</b> )	4
16	CVT 2620L	Cardiovascular Non-Invasive Practicum I ( <b>Non-Invasive CVT only</b> )	5
		<b>Invasive CVT TOTAL:</b>	<b>11</b>
		<b>Non-Invasive CVT TOTAL:</b>	<b>12</b>

### Spring 2

#	Course #	Course Title	Credits
17	CVT 2421C	Invasive Cardiology II ( <b>Invasive CVT only</b> )	3
18	CVT 2441C	Introduction to Cardiac Electrophysiology ( <b>Invasive CVT only</b> )	3
19	CVT 2841L	Cardiovascular Invasive Practicum II ( <b>Invasive CVT only</b> )	6
20	CVT 2621	Non-Invasive Cardiology II ( <b>Non-Invasive CVT only</b> )	4
21	CVT 2621L	Cardiovascular Non-Invasive Practicum II ( <b>Non-Invasive CVT only</b> )	7
		<b>Invasive CVT TOTAL:</b>	<b>12</b>
		<b>Non-Invasive CVT TOTAL:</b>	<b>11</b>

### Summer 2

#	Course #	Course Title	Credits
22	CVT 2920	Cardiovascular Technologist as a Professional	2
23	CVT 2426C	Advanced Cardiovascular Concepts	3
24	CVT 2845L	Cardiovascular Invasive Practicum III ( <b>Invasive CVT only</b> )	6
25	CVT 2320L	Cardiovascular Non-Invasive Practicum III ( <b>Non-Invasive CVT only</b> )	7
		<b>Invasive CVT TOTAL:</b>	<b>11</b>
		<b>Non-Invasive CVT TOTAL:</b>	<b>12</b>

The CF CVT program is a two-track program, Invasive Cardiovascular Technology and Non-Invasive Cardiovascular Technology. The **Invasive CVT Track** focuses on and prepares students to work in the procedure-based field of Interventional Cardiology and **the Non-Invasive track** focus on and prepares the students to work in the imaging-based field of Echocardiology, also known as Cardiac Sonography. There will be 20 students accepted into the program every year, 10 students for the invasive CVT track and 10 for the Non-Invasive CVT track. Students will need to choose their track before applying (It is highly suggested to meet with your advisor before applying to the CVT program). CVT students will spend the first semester in common basic CVT courses and will begin to split to their specialty courses starting the second semester of the program. There will be other courses throughout the program where all CVT students will complete courses together again.

Please reference the following tables for further understanding of the program's tracks. Each track's successful completion leads to preparation to complete the track's specialty registry exam with Cardiovascular Credentialing International (CCI). The Invasive track will be prepared to take the Registered Cardiovascular Invasive Specialist or RCIS exam and the Non-Invasive track will be prepared to take the Registered Cardiovascular Sonographer or RCS exam.

<b>Spring Semester / Year 1- All incoming CVT students</b>	
CVT 1000C, CVT 1260C, CVT 1270, CVT 1800L	
<b>Summer Semester/Year 1</b>	
All CVT students: CVT 1205C	
Invasive CVT Track: CVT 2420C and CVT 1801L	Non-Invasive Track: CVT 1610C
<b>Fall Semester/Year 1</b>	
All CVT Students: CVT 2620	
Invasive CVT Track: CVT 2211C and CVT 2840L	Non-Invasive Track: CVT 1616C and CVT 2620L
<b>Spring Semester/Year 2</b>	
Invasive CVT Track: CVT 2421C, CVT 2441C and CVT 2841L	Non-Invasive Track: CVT 2621C and CVT2621L
<b>Summer Semester/Year 2</b>	
All CVT Students: CVT 2426C and CVT 2920	
Invasive CVT Track: CVT 2845L	Non-Invasive Track: CVT 2320L

The CVT program requires a larger on-campus and clinical time commitment than most academic majors. Typically, students enrolled in the CVT program are either on campus or engaged in clinical education. Clinical education will be scheduled during the week along with classes. For any given semester, the student has a time commitment of approximately 32-40 hours per week in class and/or clinic. It is recommended students allow 3-4 hours each day to study in addition to on-campus/online courses and clinical rotation commitments.

**Cardiovascular Technology education has three components:**

- Theory instruction, in-class/didactic. Academic credit is approximately two hours per credit hour every week.
- Skills laboratory/simulation lab where students learn psychomotor (hands-on) skills and the decision-making surrounding these skills. Laboratory credit is approximately three hours per credit per week.
- Practical (hands-on) experience in a recognized clinical education site. Clinical hours may vary each semester based on clinical site schedules.

The CVT program graduate is a competent, empathetic health care professional who exemplifies critical thinking abilities, effective patient care and procedural skills with an expertise in the field of Cardiovascular Technology. Students entering the program must be dedicated to their academic success. The faculty and staff are proud of the program and the achievements of their students. Please understand that you are responsible for successfully completing five semesters of the program, as well as qualifying to take and pass the RCIS or RCS registry exam through CCI, to gain employment as a CF CVT graduate.

Please note, graduation does not guarantee passage of the exam, nor does it guarantee local employment as an invasive or non-invasive CVT. Your success in this program will require a substantial commitment for 19 months. We are confident that with dedication and discipline your efforts can lead you to a successful career in procedural cardiology. As with any health science program there can often be obstacles that students must be aware of and overcome in reference to the time commitment that is required for an allied health science program. Please take the time to read the success strategies and evaluate your own situation to be certain that you will be able to meet the expectations.

## Academic Attainment

The CVT program consists of five semesters. In addition, the curriculum is demanding of your time and effort. College-level math skills, physics concepts, medical vocabulary, articulation, and reading comprehension is essential for success when trying to conceptualize theories and concepts. The subject matter spans merely beyond memorization and requires abstract thought, 3D visualization of the human anatomy, critical thinking skills, detailed/focused hands on skills and reflection of learning. Students within the CVT program devote several hours a week, resembling full-time employment, while participating in didactic classroom, laboratory, and clinical internship. Be aware that additional time is required for study efforts and preparation for subject matter retention and comprehension. The program is built on a stage-based conceptual model of hierarchy learning. Please see below:

**Remember:** identify, define, list, label, name, recognize, examine, recall, memorize

**Comprehension:** explain, describe, interpret, summarize, classify, differentiate, discuss, associate, demonstrate, estimate, translate

**Apply:** solve, illustrate, use, calculate, discover, experiment, implement, operate, relate

**Analyze:** compare, contrast, differentiate, distinguish, connect, categorize, prioritize

**Evaluate:** criticize, appraise, judge, support, decide, assess, recommend, summarize

## Financial Preparation and Employment

This is a full-time academically demanding program. Therefore, CF doesn't recommend that students work during this program. Success in the CVT program requires a significant investment of time; therefore, students find that in order to reach program outcomes they must formulate a financial plan, decrease their work schedules outside of the program or stop their employment all together. Some students seek flexible employers that will allow adjustments in work hours to accommodate program schedules. Prospective program students may want to consider developing a financial plan to subsidize the effects of potentially decreasing the family income, additional childcare expenses, and cost of the education. In addition, students should contemplate the need for a reliable means of transportation and expect that there is a substantial driving requirement for participation in clinical rotations which may include the disruption of family schedules. Students should assess the availability of financial aid, grants, scholarships and various resources that are available.

## Personal and Family Concerns

Some potential challenges a student may face is the continued stress of balancing school, hours studying, internships, personal situations, family obligations and work schedules. It is crucial that the student establish a solid foundation at home and seek support of family and friends who are willing to assist with household responsibilities and childcare. Students must also make time for self-care to include sufficient sleep, nutrition, and mental health maintenance to manage potential stressors. Students should reach out to those in their support system to find not only physical support but moral support, as well.

After careful consideration for the demands, expectations, and possible challenges of a student in the CVT program, reflect on the following matters:

- College level academic skills
- Stress management techniques
- Critical reasoning ability
- Time management
- Proficient study habits and skills
- Home/work/school schedules and responsibilities

- Test taking strategies
- Social support system
- Financial resources and aid
- Transportation

Please watch each of the videos linked below before applying to the program:

**Invasive Cardiovascular Technologist:** <https://www.youtube.com/watch?v=lKTRzFfh0Y4&t=21s>

**Non-Invasive Cardiovascular Technologist/Echocardiographer/Cardiovascular Sonographer:**  
<https://www.youtube.com/watch?v=JodJz2G3OWY>

### Resources for students considering entry into the Invasive Cardiovascular Technology Profession

- Cardiovascular Credentialing International: <https://www.acp-online.org/>
- Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2023 for Diagnostic Medical Sonographers and Cardiovascular Technologists and Technicians: <https://www.bls.gov/oes/current/oes292031.htm>
- Alliance of Cardiovascular Professionals (ACVP): <https://www.acp-online.org/>
- Society of Cardiovascular Angiography and Interventions: <https://scai.org/>
- The Commission on Accreditation of Allied Health Education Programs (CAAHEP): <https://www.caahep.org/>
- The Joint Review Committee on Education in Cardiovascular Technology (JRC-CVT): <https://www.jrccvt.org/>

### Resources for students considering entry into the Non-Invasive Cardiovascular Technology Profession

- American Society of Echocardiography (ASE): <https://www.asecho.org/>
- Alliance of Cardiovascular Professionals (ACVP): <https://www.acp-online.org/>
- Cardiovascular Credentialing International: <https://www.acp-online.org/>
- American Registry for Diagnostic Medical Sonography: <https://www.ardms.org/>
- Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2023 for Diagnostic Medical Sonographers and Cardiovascular Technologists and Technicians: <https://www.bls.gov/ooh/healthcare/diagnostic-medical-sonographers.htm>
- The Commission on Accreditation of Allied Health Education Programs (CAAHEP): <https://www.caahep.org/>
- The Joint Review Committee on Education in Cardiovascular Technology (JRC-CVT): <https://www.jrccvt.org/>

# Cardiovascular Technology as A Career Choice

## Acknowledgement Form

I, \_\_\_\_\_ (student's printed name) am acknowledging, by initialing the following statements, that I have read and/or viewed and understand the information given to me in this packet. I have taken the opportunity given to me to ask questions concerning the CF Cardiovascular Technology program and understand the requirements of this health science program.

1) I understand the functional capabilities related to this career and presented in this information packet on pgs. 11-17. I also understand that should I have any concerns or questions I have been provided the information to contact the appropriate entity on pg. 17.

\_\_\_\_\_ (Student Initials)

2) I have viewed both of the suggested videos on pg. 26 of the CVT information packet.

\_\_\_\_\_ (Student Initials)

3) I understand the academic rigor, personal time commitment and financial commitments of the program as stated on pg. 4 and pgs. 24-25 of the CVT information packet.

\_\_\_\_\_ (Student Initials)

4) I have reflected on the following areas discussed in this information packet and made appropriate plans concerning my successful completion of the CVT program:

- College-level academic skills \_\_\_\_\_ (Student Initials)
- Stress management techniques \_\_\_\_\_ (Student Initials)
- Critical reasoning ability \_\_\_\_\_ (Student Initials)
- Time management \_\_\_\_\_ (Student Initials)
- Proficient study habits and skills \_\_\_\_\_ (Student Initials)
- Home/work/school schedules and responsibilities \_\_\_\_\_ (Student Initials)
- Test taking strategies \_\_\_\_\_ (Student Initials)
- Social support system \_\_\_\_\_ (Student Initials)
- Financial resources and aid \_\_\_\_\_ (Student Initials)
- Transportation \_\_\_\_\_ (Student Initials)

**Student's Signature of Acknowledgement:** \_\_\_\_\_

**Date:** \_\_\_\_\_