

# CARDIOVASCULAR SONOGRAPHY DEGREE PROGRAM

## ADMISSION INFORMATION



Caldwell Community College & Technical Institute  
2855 Hickory Boulevard  
Hudson, North Carolina 28638

**Caldwell Community College and Technical Institute**  
**Cardiovascular Sonography Degree Program**  
**Admissions Information**

**Program Information**

Cardiovascular sonography is the diagnosis and treatment of patients with diseases of the heart and blood vessels. The primary role of the cardiovascular sonographer is to obtain ultrasound images of the heart and blood vessels for the physician to interpret. The various types of ultrasound equipment require a highly skilled operator to obtain the imaging information required. Students who complete the cardiovascular sonography program will be able to perform noninvasive cardiovascular tests on patients and evaluate the exam to assist a physician in arriving at a diagnosis. Students in the two-year degree program spend time in the classroom as well as getting hands-on experience in a clinical setting to develop an understanding of the anatomy, physiology, pathology, and disease testing of the cardiovascular system. Cardiovascular sonography requires good eyesight, hearing, manual dexterity, verbal communication skills, and ambulatory skills.

**Some cardiovascular sonography classes meet in the evening with clinical placement during the day.**

**Applicants should be aware that travel in out-of-service areas may be required for field work.**

**Applicants may complete non-CVS and non-SON courses prior to acceptance into the program.**

*To insure the public health and safety of all clients, many of our clinical affiliation sites require personal criminal background checks and /or drug screening in order for the student to participate in clinical education at that site.*

*Most disciplines of Health Sciences require registration, certification or licensure to practice in the health care field. Most examining boards require proof of good moral character to apply to take the registration, certification or licensure examination. If you have further questions, please contact the American Registry of Diagnostic Medical Sonographers at 1-800-541-9754.*

**The cardiovascular sonography program is a two-year program with a limited class size. During fall semester of each year a new class is selected to begin the following August. Admission requirements should be completed by September 1<sup>st</sup> in order to be considered for admission to the next class.**

**Admission Process**

Each applicant is tentatively admitted to the CVS program by the Consideration Date (the date that all admission requirements are met.) This is a chronological order of dates, "first-come, first-served" process.

**Admission Requirements**

**It is suggested that admission requirements be met in the following order.**

**1. CCC and TI application.**

- Submit an application to Student Services.
- Applications are available in Student Services or on-line at [www.cccti.edu](http://www.cccti.edu).

## 2. Official documentation of high school graduation or GED completion.

- This documentation **is required** even if the applicant holds a four-year degree.
- A high school graduate should request his/her high school to send to CCC and TI an official transcript indicating date of graduation. If the applicant is still in high school, an official transcript should be sent now only if SAT/ACT scores are to be used to waive the college placement tests; otherwise, an official transcript should be submitted after graduation.
- A GED or adult high school diploma graduate is exempt from sending a high school transcript, **but** an official copy of GED scores or official documentation of adult high school graduation must be sent to CCC and TI from the granting institution.
- Reproduced copies of personal documents are not acceptable.
- Request forms to obtain transcripts are available in the Student Services office at CCC and TI.

## 3. Official transcripts of any college work.

- The applicant should request colleges to mail transcripts directly to CCC and TI.
- If currently enrolled at another college, he/she should request a transcript now and another one at the completion of his courses.
- Transcript request forms are available in Student Services or may be downloaded from the college webpage, [www.cccti.edu](http://www.cccti.edu).
- College transcripts must be received and evaluated in order to exempt the applicant from placement tests.

## 4. Placement tests.

- Placement tests are given at the Testing Center at CCC&TI in Hudson or at the Watauga Campus. Please contact the Testing Centers directly for testing appointments.
- Any applicant whose placement test scores fall below the required minimum for the CVS program must take the indicated developmental course(s). **An applicant must complete all required developmental courses before the CVS Consideration Date will be given.**
- Acceptable CPT scores for the CVS Program and the corresponding exempted developmental courses:

○ Reading	80	Developmental Courses: RED 080, RED 090
○ Sentence skills	86	ENG 080, ENG 090
○ Pt I math(arithmetic)	55	MAT 060
○ Pt II math (algebra)	75	MAT 070, MAT 080
- Please see the Testing Center for comparable ASSET or COMPASS scores. Official test scores for these tests must be provided to the Testing Center if testing is done at another college on or after 2/1/07.
- Placement tests may be waived for persons who have transferable college credit that shows proficiency in reading, English and math.
- Documentation must be provided if an applicant has college transfer credit; or has high SAT or ACT scores (SAT = 500+ each section of Writing and Critical Reading and 520+ of Math; OR ACT = 21+ each section) within 3 years of the application date; which would exempt an applicant from testing.

5. **Information session.**

- Watch the Sonography Information Session on the college webpage to receive current details regarding admission, academic, and program requirements.
- To locate the Sonography Information Session at [www.cccti.edu](http://www.cccti.edu): click on “Attending CCC&TI” from the menu on the left side of the homepage. Click on “Programs of Study”. Click on Cardiovascular Sonography and then on “Information Session”.
- Answer the quiz questions that are at the end of the power point presentation. **The Information Session quiz answers must be completed and returned to Health Sciences Admission for completion of this admission requirement.**

6. **Clinical site visit.**

- **Please request this appointment after placement test requirements are completed.**
- This visit is intended to familiarize the applicant with the actual day-to-day responsibility of a person employed in cardiovascular sonography.
- The applicant must contact Janice Williams at 828-726-2711 for an appointment at a clinical site used by CCC and TI.
- **Please remember that visits are scheduled by Health Science Admissions at the dates and times that are convenient for the clinicians and, in the order that requests are received.**

7. **Interview.**

- The applicant must complete an interview with the program director before admission to the program.
- Please contact Kim Watts, Program Director, directly at 828-726-2322 for an interview appointment.
- **Please request this appointment after all other admission requirements are completed.**

8. **Prerequisite Courses:**

- **Prerequisite courses will be necessary beginning with the 2010-2013 catalog. The class of 2012 will be accepted under the new criteria.**
- The prerequisite courses must be completed with a grade of “C” or higher prior to beginning the Cardiovascular Sonography courses.
- The prerequisite courses are:

BIO 163	Basic Anatomy & Physiology
ENG 111	Expository Writing
ENG 111A	Expository Writing Lab
MAT 115	Mathematical Models
PHY 110	Conceptual Physics
PHY 110A	Conceptual Physics Lab

**THE CVS CONSIDERATION DATE IS GIVEN WHEN REQUIREMENTS 1-8 ARE MET.**

9. **Physical examination.**

- The **provisionally admitted** CVS student is required to present documentation of physical and emotional health that indicates his/her ability to provide safe care to the public.
- A completed *Student Medical Form for North Carolina Community College System Institutions* form **must be submitted at, or before May 1<sup>st</sup> prior to enrollment or the student’s space in the program will be forfeited.**
- The date of the actual physical examination **must be dated within one year prior to the date of enrollment.**

- Immunizations must be up to date and reflect standards for health care workers according to CDC guidelines.

**10. Infant, Child and Adult CPR certification.**

- **Accepted** students must be currently certified in CPR through one of the following: American Heart Association: BLS Healthcare Provider Course, **or** American Red Cross: Adult CPR and Infant/Child CPR **at, or before May 1<sup>st</sup> prior to enrollment.**
- A copy of the certification card must be attached to the student medical form prior to submission.

## **Progression Policy**

The cardiovascular sonography student must demonstrate an acceptable level of competency by earning a grade of "C" or better in each CVS/SON course.

### ***Please note:***

***Each applicant is responsible for:***

- ***completing admission requirements,***
- ***confirming receipt of letters and documents in the admissions office***
- ***keeping CCC and TI informed in writing of any personal information changes***
- ***keeping copies of all documentation submitted to CCC&TI (i.e., CPR, physical exam).***

***Applications are accepted for only one two-year health sciences program at a time. However, an applicant may apply for the one-year ophthalmic medical assistant diploma while also applying for a two-year health sciences program.***

## Curriculum for Cardiovascular Sonography (A45160) effective Fall 2012

		Class	Lab	Clinical	Credit
<b>Fall Semester I</b>					
COM 120	Introduction to Interpersonal Communication				<i>or</i>
COM 231	Public Speaking				<i>or</i>
ENG 113	Literature-Based Research				<i>or</i>
ENG 114	Professional Research and Reporting	3	0	0	3
CVS 160	CVS Clinical Education I	0	0	15	5
CVS 163	Echo I	<u>3</u>	<u>2</u>	<u>0</u>	<u>4</u>
		6	2	15	12
 <b>Spring Semester I</b>					
CVS 161	CVS Clinical Education II	0	0	24	8
CVS 164	Echo II	3	2	0	4
SON 111	Sonographic Physics	<u>3</u>	<u>3</u>	<u>0</u>	<u>4</u>
		6	5	24	16
 <b>Summer Semester I</b>					
CIS 113	Computer Basics	0	2	0	1
CVS 162	Clinical Education III	<u>0</u>	<u>0</u>	<u>15</u>	<u>5</u>
		0	2	15	6
 <b>Fall Semester II</b>					
	Humanities/Fine Arts Elective	3	0	0	3
CVS 260	Clinical Education IV	0	0	24	8
SON 250	Vascular Sonography	<u>1</u>	<u>3</u>	<u>0</u>	<u>2</u>
		4	3	24	13
 <b>Spring Semester II</b>					
CVS 261	Clinical Education V	0	0	24	8
CVS 277	Cardiovascular Topics	2	0	0	2
PSY 150	General Psychology	<u>3</u>	<u>0</u>	<u>0</u>	<u>3</u>
		5	0	24	13
<b>TOTAL HOURS</b>		<b>33</b>	<b>20</b>	<b>102</b>	<b>76</b>

**Tuition:** In-State \$56.50 per credit hour  
\$904.00 maximum tuition per semester  
Out-of-State \$248.50 per credit hour  
\$3,976.00 maximum tuition per semester

**Activity Fees:** \$7.00 per class, fall and spring semesters, up to a maximum of \$28.00.  
\$3.00 per class, summer semester, up to a maximum of \$9.00

**For additional information, please contact:**

Amy Huffman, Coordinator of Health Sciences Admissions  
Caldwell Community College and Technical Institute  
2855 Hickory Boulevard  
Hudson, NC 28638  
828-726-2710; 828-328-8697 ext. 710; or 828-264-7670, ext. 710  
ahuffman@cccti.edu

*Revised 7/10*

*Since health program standards are mandated by accrediting and regulatory agencies, revisions to the above information may be necessary. Efforts will be made to keep changes to a minimum and finalized one year in advance of the starting date of the program; however, the college reserves the right to revise any part or section as necessary.*