

ASSOCIATE IN APPLIED SCIENCE in CARDIOVASCULAR SONOGRAPHY

Selective Admission Process

MINIMUM REQUIREMENTS ARE SUBJECT TO CHANGE EACH ACADEMIC YEAR.

Application Period: November 9, 2018 through May 13, 2019

(Excluding January 2 through January 9, 2019)

PROGRAM DESCRIPTION

Sonography is a rapidly growing imaging specialty in the healthcare field, using high frequency sound waves to produce images of internal body structures. Students are taught the skills needed to produce high quality images through in depth instruction. This includes classroom and hands-on experience in the lab and clinical settings. Coursework includes introduction to patient care, cardiac sonography, sonographic physics, and vascular sonography. The curriculum provides the individual with the knowledge and skills necessary to acquire, process, and evaluate the human heart, vascular anatomy, and disease processes to aid in physician diagnosis. Travel is required to clinical education sites.

Graduates of the program may find employment in hospitals, imaging centers, medical clinics, physician's offices, mobile companies, education and equipment applications or sales. The average starting salary is approximately \$49,000/year.

MISSION STATEMENT

The mission of the Cardiovascular Sonography Program is to prepare individuals to function in the professional medical community as clinically competent, entry-level sonographers. This knowledge and skill is obtained through in depth instruction in the classroom, as well as hands-on experience in lab and clinical settings. Graduates are strongly encouraged to seek certification by the American Registry for Diagnostic Medical Sonography, or other recognized accrediting agencies.

GENERAL ADMISSION INFORMATION

It is important that all potential applicants for the Cardiovascular Sonography Program (CVS) understand the selective admissions process. Potential applicants who wish to file an "Intent to Apply" to the CVS Program must first meet minimum requirements. Please review carefully the information regarding minimum requirements and other pertinent information listed in this packet.

All minimum requirements must be met prior to filing your "Intent to Apply" to the program. It is the potential applicants' responsibility to ensure that all requirements are met by the established deadline. CVS deadlines, guidelines, and policies apply equally to all students; thus, there can be no exceptions. This includes documentation required for points (including but not limited to current transcripts).

COUNSELING

If you have questions or concerns regarding the selective admissions process, please contact a counselor in the Union Station Building (Room U-123) on the Wilmington Campus or in the McKeithan Center (Room NA-100) on the North Campus.

STUDENT ADVISEMENT

Students who plan to apply for a Health Science program are advised on a walk-in basis during the published advisement period (Refer to the 2018–2019 catalog). Advisement schedules are posted in L-304 one week prior to the first day of each advisement period. Students are strongly encouraged to meet with an advisor to review their program evaluation and course selection.

Students must accept the responsibility of familiarizing themselves with the specific course, prerequisite, corequisite, and program requirements. Program requirements are subject to change and students should check for these changes annually in the specific program information packet.

MINIMUM CVS PROGRAM ADMISSION REQUIREMENTS - FALL 2019

1. PLACEMENT TEST

To be considered for admission to the program, all potential applicants must meet the minimum requirements on a placement test. Note: Prior completion of English 111 or its equivalent and/or Math 121, 143 or higher with a grade of “C” or higher will eliminate taking the placement test.

An unweighted North Carolina high school GPA of 2.6 or higher may waive placement testing (graduation within the last 5 years). The student must meet specific high school math course requirements for high school GPA consideration (Multiple Measures).

REQUIRED CUTOFF SCORES

To meet application requirements, you must demonstrate proficiency in DRE 098 and DMA 010 through DMA 050.

Compass

151 Reading + Writing

47 Pre-Algebra

46 Algebra

Accuplacer (CPT)

166 Reading + Sentence

55 Arithmetic

55 Elem Algebra

NC DAP

151 English

***7 Math (DMA 010 – DMA 050)**

***A score of 7 or higher on each DMA 010 through DMA 050 on the NC DAP Math exam.**

SAT

500 Reading or 500 Writing (prior to March 2016)

Or

480 Evidence-Based Reading/Writing (tested after March 2016)

500 Math (prior to March 2016)

Or

530 Math (tested after March 2016)

ACT

18 English or

22 Reading

22 Math

If a potential applicant scores less than the minimum cut-off scores on the placement test, he/she will be required to complete the essential sequence of developmental courses/modules. If the student completes all of the required remedial courses/modules with a grade of “C” or better and/or a grade of “P” prior to the application deadline date and meets the other minimum requirements, he/she may then file an “Intent to Apply” to the Program.

Placement tests may be taken twice within twelve (12) consecutive months and must have been taken in the last five years. Applicants who violate this testing policy will not be disqualified. However, when a

CVS applicant has tested more than twice in twelve consecutive months, only the first two attempts will be considered in the application process. Test scores which violate the testing policy will be disregarded.

If the placement test has been taken at another community college (within the past five years), it is the student's responsibility to ensure that the official scores are sent to Cape Fear Community College. These need to be received by CFCC prior to filing the "Intent to Apply".

Accommodations for testing due to special needs may be made with the Coordinator of Disabilities Services in the Union Station Building Room U-218 or call (910) 362-7012.

2. MINIMUM GPA

All potential applicants must have and maintain an overall GPA of 2.5 or higher in *all* post-secondary coursework completed at **Cape Fear Community College**. After an "Intent to Apply" has been filed, **you must maintain a GPA of 2.5 or higher to enter the program in the fall**. If your GPA is below 2.5 and you have not been enrolled in CFCC for 3 consecutive years, you may be eligible for "Academic Forgiveness" (refer to the 2018 -2019 catalog).

3. HIGH SCHOOL OR COLLEGE LEVEL COURSES

A. BIOLOGY

All students who wish to apply for the CVS Program must have completed a Biology course in high school or college **within five years** of the start date of the program and achieved a grade of "**C**" or higher. Applicants who have taken a High School Equivalency exam may also meet this requirement if they achieved a standard score on the Science Exam of any of the following High School Equivalency tests: a 45 on the Pre-2002 GED, a 450 on the 2002-2013 GED, a 145 on the 2014-present GED, or a 45 on the 2014-present HiSet. Interested applicants who need to meet the Biology requirement may complete either **BIO 106, 110, 111, 163, or BIO 168 (note: only BIO-163 or BIO-168 and BIO-169 earn points)**.

B. ALGEBRA

All students who wish to apply for the CVS Program must have completed an Algebra course in high school or college **within five years** of the start date of the program and achieved a grade of "**C**" or higher. Interested applicants who need to meet this requirement may complete DMA's 040 and 050 or MAT 143, 152, 171 or higher.

C. PHYSICS

All students who wish to apply for the CVS Program must have completed a Physics course in high school or college and achieved a grade of "**C**" or higher. Interested applicants who need to meet the Physics requirement may take **PHY- 110 and 110A Conceptual Physics and Lab or equivalent**.

D. MEDICAL TERMINOLOGY

All students who wish to apply for the CVS Program must have completed a curriculum college level Medical Terminology course **within five years** of the start date of the program (MED 121 or any other undergraduate college level Medical Terminology course (3 semester hours)).

APPLICATION PROCESS

Potential applicants to the Cardiovascular Sonography Program must first apply to and be accepted to attend Cape Fear Community College. Potential applicants to the Cardiovascular Sonography Program who are currently enrolled at CFCC may proceed to Step 2.

STEP 1: APPLICATION TO CAPE FEAR COMMUNITY COLLEGE

1. COMPLETE THE CFCC GENERAL ADMISSIONS APPLICATION (INCLUDING RESIDENCY DETERMINATION APPLICATION)

2. REQUEST OFFICIAL HIGH SCHOOL TRANSCRIPT OR HIGH SCHOOL EQUIVALENCY SCORES

Request official transcripts from a regionally accredited High School/High School Equivalency agency. High School/High School Equivalency transcripts must indicate the date graduated. Official transcripts are those received either by mail or by hand delivery to CFCC in the original, sealed envelope from the awarding institution or agency. North Carolina public high school graduates may request their official high school transcripts be sent electronically to the Admissions Office via the College Foundation of North Carolina (CFNC) website at www.cfnc.org. Home schooled students must submit a copy of the home school's approved registration from the state in which they are registered, and an official transcript including the graduation date and documentation of completion of competency testing.

STEP 2: "INTENT TO APPLY" TO THE CARDIOVASCULAR SONOGRAPHY PROGRAM

1. ATTEND AN INFORMATION SESSION

Thursday, September 20, 2018	12:00pm	Room U-311
Thursday, March 7, 2019	12:00pm	Room U-311

Please arrive on time. Points will not be awarded for late arrival or if you leave the information session early.

Certificates of attendance will be awarded and collected at the completion of the information session to receive points. Students applying to the program this application period must have attended one of the information sessions listed above to receive the points.

2. PLACEMENT TESTING

Complete appropriate placement testing if required by the Admissions Office and meet minimum cut-off scores on the placement test, or complete required sequence of developmental courses (Please see information about placement testing on page 2).

3. REQUEST OFFICIAL TRANSCRIPTS FROM ALL COLLEGES OR SCHOOLS ATTENDED

Official transcripts from all schools attended since high school should be mailed to the Admissions and Records Office from the institution(s) attended or be hand delivered in an envelope sealed by a representative of the school(s) attended. These will be reviewed for possible transfer credit.

4. FILE "INTENT TO APPLY"

An "Intent to Apply" for the Cardiovascular Sonography Program may be completed in the Counseling Office in the Union Station Building (Room U-123) on the Wilmington Campus and in the McKeithan Center (Room NA-100) on the North Campus during the application period. **ALL POTENTIAL APPLICANTS MUST APPEAR IN PERSON AT CAPE FEAR COMMUNITY COLLEGE DURING THE APPLICATION PERIOD OF November 9, 2018 through May 13, 2019 (excluding January 2 through January 9, 2019). AN "INTENT TO APPLY" WILL NOT BE TAKEN OVER THE TELEPHONE OR BY EMAIL/WRITTEN CORRESPONDENCE.** Applicants must file the "Intent to Apply" and schedule the PSB exam on or prior to the last day of the application period.

Note: the "Intent to Apply" form is not an application to the Cardiovascular Sonography Program.

5. PSYCHOLOGICAL SERVICES BUREAU (PSB) ADMISSIONS EXAM

Students who meet the minimum application requirements will be scheduled to take the Health Occupations PSB Admissions exam. Potential applicants to the Cardiovascular Sonography Program may take the Health Occupations PSB once per application period. Results can be renormed for students applying to more than one health occupations program within the same or previous year for a \$25.00 non-refundable fee. Those who have taken the Health Occupations PSB for Sonography (or for the CVS program) in previous years should be aware that only those scores from the two most recent attempts within the last 5 years will be considered. The highest percentile score in EACH AREA will be considered for points.

- A \$25.00 non-refundable fee will be charged to take the PSB exam. Please be prepared to pay by check, cash or credit card. **Rescheduling of PSB exams will only be considered in the case of extenuating circumstances (i.e. such as a medical emergency) and the applicant must provide documentation. The Dean of Enrollment Management MAY choose to issue a "Stand by Pass" for testing. A "Stand by Pass" does not guarantee admission to the test; admission to the test may be determined by seat availability. Please check your academic and personal calendars before scheduling the exam.**

A study guide for the PSB Exam can be accessed at: cfcc.edu/testing/psbtesting/ (use lower case letters). It is recommended that you purchase a PSB study guide. These are available for purchase online and in most book stores. **In addition, the staff in the CFCC Learning Lab (910-362-7137) will be able to provide resource materials to help prepare for the PSB exam.**

6. POINT COUNT REVIEW AND APPLICATION

You will receive an official copy of your scores 3 to 5 days after you complete the PSB exam. Applicants will be notified by the Counseling Office to come in for review of their point count (pre-assessment meeting) in early spring (**after the application deadline and after all point counts are completed**). **At this time the application for the Cardiovascular Sonography Program is completed.**

NOTE: Depending on the Health Science program neither federal law nor North Carolina law permits undocumented individuals or those with DACA (deferred action for childhood arrivals) classification to receive professional licenses. See 8 U.S.C. § 1621(a) and (c)(1)(A). This does not prevent a DACA student from enrolling in a Health Science program but may prohibit the student from receiving a professional license. If you have any questions about eligibility for professional licensure please contact a counselor.

CARDIOVASCULAR SONOGRAPHY SELECTION PROCESS

The point system was implemented as an objective means for evaluating Cardiovascular Sonography applicants. ALL documents needed to award points must be on file at CFCC prior to the application deadline of the program. **No points will be awarded for documentation received after the application deadline.** Twenty five percent (25%) of applicant's points will come from the PSB exam and seventy five percent (75%) of points will come from related high school and/or college classes completed prior to the application deadline. **Points will also be awarded if you have patient care experience with current certification (see Section D: Points Awarded for Health Care Experience).**

Five (5) students with the highest point count totals will be invited and required to enroll in a Sonography Skills Awareness course that will be taught in the summer of 2019 (see page 8). If two or more students have the identical point count total, the date and time that the "Intent to Apply" form was completed in the Counseling Office will be the determining factor on selection. After completion of this course, **the 3 students with the highest grades will be selected to enroll in the Cardiovascular Sonography program in the fall of 2019.**

POINT SYSTEM

See "Point Count Worksheet" for point values.

SECTION A: HIGH SCHOOL COURSES

Points are awarded to students who completed a High School Health Occupation II or Allied Health II course with a grade of "C" or higher within the past five years.

SECTION B: ADDITIONAL POINTS

- **NURSE AIDE I CERTIFICATION AND/OR DIRECT PATIENT CARE EXPERIENCE**
All potential applicants who wish to receive additional points for the CVS Program must complete a state approved Nurse Aide I course to include theory, lab, and clinical components. **Challenging the NA I examination will not meet this requirement.** NOTE: Points will be awarded to applicants holding a higher-level of certification. Patient care experience must total 480 hours or more within the last 5 years. Relevance of each submission will be determined by program faculty. Documentation must be on file in the Counseling office prior to filing your Intent to Apply to the program and scheduling the PSB exam.
- **INFORMATION SESSION ATTENDANCE**
Ten (10) points will be awarded for attending one Information session pertaining to the current application year. Certificates of attendance will be given during the information session and must be turned in before leaving the information session. Points will not be awarded for late arrival or if you leave the information session early.
- **GPA of 3.5 or higher at CFCC (minimum of 12 credits excluding developmental classes)**

- Bachelor Degree or Associate Degree
- CIS 110 or 111 (“C” or better) or competency test in lieu of course. (Competency test is administered in the Learning Lab and documentation needs to be on file prior to the application deadline to be awarded points.)

SECTION C: CARDIOVASCULAR SONOGRAPHY CURRICULUM COURSES

Applicants may earn points for the completion of general education courses in CFCC’s CVS curriculum with a grade of “C” or higher.

In order for the Biology credits to apply towards points and graduation, the Biology course must have been completed within five (5) years of the start date of the CVS Program. Acceptable Biology courses include BIO 163 or BIO 168 and BIO 169. Only the first attempt with a grade of “C” or better will be considered in the point count.

The five-year age requirement for the Biology class will be waived for Radiography Professionals or current Medical Sonographers who have been employed for a minimum of one year (full time 32 hours per week or more) within the last two years. (Verification required prior to the application deadline).

Other required courses: PHY 110/110A, ENG 111 Writing & Enquiring or Expository Writing, COM 110, 120, or 231 and PSY 150 or SOC 210

Math: MAT 143, MAT 152 or MAT 171 or higher within five years of the start date of the program.

Humanities/Fine Arts Elective: This requirement may be met by taking an approved Humanities or Fine Arts course. For approved courses, please refer to your program evaluation.

Note: Students who have questions or concerns regarding the transfer credits they received for courses taken at other colleges and/or universities must address and resolve these prior to the end of the application period.

SECTION D: POINTS FOR HEALTH CARE EXPERIENCE

Twenty (20) points will be awarded for applicants with health care experience. Potential applicants must have 480 hours or more of patient care experience within the last 2 years. The following certifications/degrees will be considered acceptable health care experience: Certified Nursing Assistant I or II (CNA I or II), Emergency Medical Technician (EMT B or I), Paramedic, or applicants with degrees in nursing, radiography, medical sonography, nuclear medicine, respiratory therapy, physical therapy, occupational therapy, and/or surgical technology. Documentation of certification(s) must be on file in the Counseling office prior to the application deadline.

Points will also be awarded to current second year students in an accredited imaging program with a minimum GPA of 3.0. A letter of reference from a program director is required.

Applicants must submit proper documentation on official letterhead, signed and dated prior to the end of the application period for the program. No points will be awarded for documentation received after the application deadline.

SECTION E: POINTS FOR THE PSB EXAM

Scores in seven (7) areas of the PSB Exam – **Verbal, Arithmetic, Non-Verbal, Spelling, Reading Comprehension, Natural Science and Vocational Adjustment Index** are used in calculating the points earned in this section. Scores from the 7 areas are averaged and 25% of this value is used toward the applicant's point total. Those who have taken the Health Occupations PSB in previous years should be aware that only those scores from the two most recent attempts within the last 5 years will be considered in the point count. The highest percentile score in EACH AREA will be considered for points.

NOTE: AN APPLICANT'S POINT COUNT IS CONFIDENTIAL; TO PROTECT YOUR PRIVACY, POINT COUNT TOTALS WILL NOT BE DISCUSSED ON THE TELEPHONE OR VIA EMAIL/CORRESPONDENCE.

Sonography Skills Awareness Course Requirement for the top 5 students

After the point count review, the **top five (5) students** will be notified by mail and/or email and are required to enroll in the **mandatory course, *Sonography Skills Awareness***. Students will be divided into two groups and each group will meet for one week for 2 hours each day, with one four (4) hour shadowing session held that week. This class will be held during the summer semester (Group 1 will meet May 31 – June 6, 2019 and Group 2 will meet June 7 – June 13, 2019). **Course attendance requirement is 100% and missing one or more classes will result in failing the course.** The course is designed to give an overview of the profession and include basic sonographic concepts. Students' understanding of the material will be assessed through interactive lab tasks. The **top three (3) students** with the highest total grade will be admitted into the Cardiovascular Sonography Program to begin in the Fall Semester 2019.

The Sonography Skills Awareness course is taught through CFCC's Continuing Education Department; therefore it is not covered by financial aid. Any fees associated with this course will be the student's responsibility. Class details and times will be announced at a later date and are subject to change.

Note: Students may enter the skills course a maximum of two (2) times. If a student completes the summer skills course a second time and is not selected for enrollment in the fall semester, he/she will not be eligible to apply to the program again.

Cardiovascular Sonography applicants who are selected from the introductory course are conditionally accepted into the program pending the submission and review of a medical history form provided by Cape Fear Community College. Acceptance is also conditional on the results of a required urine drug screen and criminal background check. (Please see #4 on page 9 for more information)

Admission to any and all educational programs offered by Cape Fear Community College is made without regard to race, color, sex, national origin, gender identity, sexual orientation, disability, veteran status or other irrelevant factors.

NOTIFICATION PROCEDURE

All CVS applicants will receive notification by mail and/or email of their status for the upcoming program year. Applicants not selected may reapply for admission to the program for the next academic year.

THE TOP THREE STUDENTS WHO ARE SELECTED WILL BE NOTIFIED WHEN TO COMPLETE THE FOLLOWING:

1. Medical Reports

All completed health/medical reports must be received by the specified date noted in acceptance letter.

2. Policy Manual

Students are required to read the Cardiovascular Sonography Program Student Policy Manual on-line prior to attending the new student orientation. Policies will be discussed during the orientation and students will have an opportunity to ask questions. Students will sign a statement to verify that they have read the policy manual.

3. Cardiopulmonary Resuscitation (CPR) – BLS for Healthcare Providers (HCP) – 2 Year

4. Drug Screening/Criminal Background Check/ Immunization Tracker

A twelve (12)-panel urine drug screen and criminal background check is mandatory. **Drug screens cannot be completed prior to the CVS Orientation.** Information will be given to you by the director at the orientation. Any drug screens completed prior to the orientation will not be accepted. In addition to the initial drug screening, at their discretion, clinical sites may require an additional drug screening and/or a criminal background check prior to allowing students into the clinical setting (If required, any associated fees will be the responsibility of the student). Testing positive on the drug screening, or evidence of tampering with a specimen, will disqualify a student from participation from the clinical assignment. In addition, certain criminal activity, as evident by a criminal background check may also disqualify a student from clinical participation. Please be aware that failure to participate in a clinical assignment based on either the drug screening or criminal background check will result in dismissal from the CVS Program. For further information, students should see the **“Drug and Alcohol Policy”** in the **CFCC Student Handbook**. **Information will be disseminated during orientation/registration by the director of the program. Students are required to have all immunization records current prior to beginning clinical education. After acceptance into the program, students will be instructed on how to set up their background check and immunization tracker. A drug screen and criminal background check will be completed annually.**

Students with a criminal record may be ineligible for clinical education and may not be approved to take the American Registry for Diagnostic Medical Sonography (ARDMS) registry exams. It is recommended that students with a misdemeanor or felony conviction complete the ARDMS eligibility review application to have their case reviewed prior to applying to the CVS Program. This process could take up to 3 months. The application form can be downloaded at: <http://www.ardms.org/HTAGS/General HTAG.pdf>

CORE PERFORMANCE STANDARDS

ISSUE	STANDARD	EXAMPLES OF NECESSARY ACTIVITIES/DESCRIPTIONS
Critical Thinking	Ability sufficient for clinical judgment	Correlate clinical information with your findings.
Interpersonal	Ability to interact with individuals, families and groups from a variety of social, emotional, cultural and intellectual backgrounds	Establish rapport with patients and colleagues. Accept constructive criticism
Communication	Abilities sufficient for interaction with others in verbal and written form	Explain exams to the patients and or family members. Write reports and verbally explain all findings to a physician
Mobility	Physical abilities sufficient to move heavy objects into and out of small rooms. Ability to stand for long periods of time.	-Push stretchers with patients on them up and down hallways and into rooms. -Maneuver patients in wheelchairs -Bend, stoop, reach and lean often -Move heavy equipment throughout the hospital
Motor Skills	Gross and fine motor skills sufficient to provide safe and effective patient care and proper use of ultrasound equipment	-Use both hands at the same time to operate equipment -Safely move patients and equipment -Caring for patients with bedpans, IV's and other devices
Hearing	Auditory ability sufficient to monitor and assess health needs	-Detect monitor alarms -Respond to patient in need - Respond to emergency codes throughout the hospital - Gather information about patient's health history
Visual	Ability sufficient for observation and assessment necessary in the field of sonography	-Ability to distinguish colors correctly -Operate ultrasound equipment in a dimly lit room, watching all images on a monitor - Distinguish normal anatomy from abnormal
Confidentiality	Ability to maintain patient confidentiality	All patient exams should be kept confidential Some exams are very personal and include scrotums, breast, vaginal and rectal

CFCC provides reasonable accommodations to otherwise qualified students with disabilities, as long as such disabilities, as determined on a case-by-case basis, do not preclude the student from meeting the qualifications considered essential to the program.

Students who feel they need accommodations should contact the Disability Support Services office in the Union Station Building Room U-218 on the Downtown Campus or call 910-362-7012 or 910-362-7158.

Students selected for the Cardiovascular Sonography Program must be aware that traveling outside of New Hanover County is necessary for clinical education. Some clinical sites are over 50 miles outside of Wilmington. Travel is required during all five semesters of the program. Students must provide their own transportation to clinical sites.

PROGRESSION POLICY

Students admitted to the Cardiovascular Sonography Program must achieve or have achieved a “C” in each course in the curriculum in order to progress semester by semester.

Grading Policy

A	Excellent	92-100
B	Good	84-91
C	Average	76-83
D	Poor	68-75

*****Visit the Cardiovascular Sonography web page for more information: www.cfcc.edu/cvs**

CAPE FEAR COMMUNITY COLLEGE TUITION & FEES

Payment can be made by cash, check, VISA, MasterCard, financial aid, payment plan or a third-party sponsorship. All forms of payment must be received by the Business Office to be officially registered.

Tuition is established by the North Carolina State Legislature and is subject to change without prior notification.

CREDIT HOURS	IN-STATE TUITION	OUT-OF-STATE TUITION	STUDENT ACTIVITY FEES	PARKING & SECURITY FEE	TECHNOLOGY FEES
1	76.00	268.00	35.00	40.00	3.00
2	152.00	536.00	35.00	40.00	6.00
3	228.00	804.00	35.00	40.00	9.00
4	304.00	1072.00	35.00	40.00	12.00
5	380.00	1340.00	35.00	40.00	15.00
6	456.00	1608.00	35.00	40.00	18.00
7	532.00	1876.00	35.00	75.00	21.00
8	608.00	2144.00	35.00	75.00	24.00
9	684.00	2412.00	35.00	75.00	27.00
10	760.00	2680.00	35.00	75.00	30.00
11	836.00	2948.00	35.00	75.00	33.00
12	912.00	3216.00	35.00	75.00	36.00
13	988.00	3484.00	35.00	75.00	39.00
14	1064.00	3752.00	35.00	75.00	42.00
15	1140.00	4020.00	35.00	75.00	45.00
16 OR MORE	1216.00	4288.00	35.00	75.00	48.00

LIABILITY INSURANCE: \$15.00 PER SCHOOL YEAR (HEALTH SCIENCE STUDENTS)

FULL TIME: 12 CREDIT HOURS

¾ TIME 9 CREDIT HOURS

½ TIME 6 CREDIT HOURS

Revised 8/2018

Financial Aid

The Financial Aid office monitors a policy that is based on federal regulations that establishes a maximum time frame for completion of a program of 150 percent of the published length of an educational program. This means that as a student majoring in Pre-Nursing or a Pre- Health Science program, you will need to pay careful attention to the number of hours you attempt prior to actual admission into your program of choice. Depending on the number of hours that you have attempted prior to admission into Nursing or a Health Science program, you may not be eligible for enough financial aid to complete the program after you have been admitted.

To make sure you understand this policy and that you plan ahead in order to use your financial benefits in a wise and timely manner, please consult with the financial aid office located in the Union Station Building Room U-138 Downtown or in the McKeithan Center Room NA-100 North Campus.

Estimated Expenses for the Cardiovascular Sonography AAS Degree
CAPE FEAR COMMUNITY COLLEGE

Before Fall Registration	Cost	Summer Semester	Cost
Uniforms (3 sets plus lab coat)	160.00	Tuition <i>In State</i>	1137.00
Embroidery for scrub tops and lab coat	Included	Tuition <i>Out of State</i>	3633.00
Shoes (clinical)	50.00	ARDMS SPI Registry Exam Fee	200.00
Medical Examination, 2-step TB test, HEP-B Vac, varicella proof, seasonal flu shot, etc.	Varies	Mileage to school and clinical sites	Varies
CPR certification (2 year)	Varies	Fall Semester Two	Cost
Electronic Records Fee	150.00	Tuition <i>In State</i> (includes student fees)	1216.00
Criminal Background Check/Drug Screening/ Immunization tracker	97.00	Tuition <i>Out the State</i> (includes student fees)	3904.00
		Textbooks	150.00
Fall Semester One	Cost	Liability Insurance	15.00
Tuition <i>In State</i> (including student fees)	1,374.00	Mileage to school and clinical sites	Varies
Tuition <i>Out of State</i> (including student fees)	4,446.00		
Textbooks	550.00		
Liability Insurance	15.00		
Calculator	10.00	*Notebooks	10.00
Mileage to school and clinical sites	Varies		
		Spring Semester Two	Cost
NCUS Student Membership	15.00	Tuition <i>In State</i> (includes student fees)	979.00
*Notebooks	15.00	Tuition <i>Out of State</i> (includes student fees)	3,091.00
Spring Semester One	Cost	Textbooks	100.00
Tuition <i>In State</i> (including student fees)	1,374.00	NCUS Annual renewal fee (January)	15.00
Tuition <i>Out of State</i> (including student fees)	4,446.00	Mileage to school and clinical sites	Varies
Textbooks	150.00	NCUS Meeting (approximate)	380.00
Mileage to school and clinical sites	Varies	*Notebooks	10.00
NCUS student fee; optional	15.00		
NCUS Meeting (registration, travel, hotel, meals, etc.) optional	380.00		
*Notebooks	10.00		

Tuition costs may vary.

***Three (3) ring notebooks are required** to keep neat class, lab and clinical notes organized.

Cardiovascular Sonography AAS

Please note that there are Application requirements and Minimum pre-requisites listed in the program packet and on the web site.

Fall Semester I

Course	Title	Class	Lab	Clinical	Credit
SON 111	Sonographic Physics	3	3	0	4
BIO 163 or BIO 169	Basic Anatomy & Physiology	4	2	0	5
CVS 160	CVS Clinical Education	0	4	9	5
CVS 163	Echo I	3	2	0	4
			Totals		18

Spring Semester I

Course	Title	Class	Lab	Contact	Credit
CVS 161	CVS Clinical Education II	0	0	24	8
CVS 164	Echo II	3	2	0	4
SON 250	Vascular Sonography	1	3	0	2
PHY 110, 110 A	Conceptual Physics	3	2	0	4
			Totals		18

Summer Semester I

Course	Title	Class	Lab	Contact	Credit
CVS 162	Clinical education III	0	0	15	5
CVS 277	Cardiovascular Topics	2	0	0	2
PSY 150 or SOC 210	General Psychology or Intro to Sociology	3	0	0	3
ENG 111	Writing & Inquiry	3	0	0	3
			Totals		13

Fall Semester II

Course	Title	Class	Lab	Contact	Credit
CVS 260	Clinical Education IV	0	0	24	8
COM 110, 120, or 231	Communication Course (choose one)	3	0	0	3
MAT 143, 152, or 171	College Algebra	3	0	0	3
					14

Spring Semester II

Course	Title	Class	Lab	Contact	Credit
CVS 261	Clinical Education V	0	0	24	8
HFA	Humanities Fine Arts Elective	3	0	0	3
					11
Total Core Credits					52-53
Total Major credits					73-74

Applicants Name _____
 Student ID No. _____

CARDIOVASCULAR SONOGRAPHY AAS POINT COUNT WORKSHEET

The following criteria is used for selecting students

MINIMUM REQUIREMENTS (see admission requirements for specifics)

Overall College GPA of 2.5 (if applicable) (mandatory) _____
 High School or College Biology (mandatory) _____
 High School or College Algebra (mandatory) _____
 High School or College Physics (mandatory) _____
 College level Medical Terminology (3 sem hrs.) (mandatory) _____
 (within the last 5 years)

SECTION A: HIGH SCHOOL COURSES

High School Health Occupations II/Allied Health II
 "C" or higher within the past 5 years (5 pts) _____

SECTION B: ADDITIONAL POINTS

Nurse Aide I course (or acceptable patient care) (20 pts) _____
 Attended Program Information Session (10 pts) _____
 GPA of 3.5 or higher at CFCC (5 pts) _____
 (Min 12 CR excluding Developmental Classes)

CIS 111 or CIS 110 (C or better) or competency test in lieu of course (5 pts) _____

Curriculum level Medical Terminology college course A (15 pts) _____
 Within 5 years of the start date of the CVS program B (10 pts) _____
 C (5 pts) _____

SECTION C: CVS CURRICULUM COURSES

*BIO 168 Anatomy and Physiology I A (30 pts) _____
 B (20 pts) _____
 And C (10pts) _____

*BIO 169 Anatomy and Physiology II A (30 pts) _____
 B (20 pts) _____
 Or C (10pts) _____

*BIO 163 Basic Anatomy and Physiology A (60 pts) _____
 B (40 pts) _____
 C (20 pts) _____

*First attempt with a "C" or better will be considered for the point count.
 Within 5 years of the start date of the CVS program

PHY 110/110A Conceptual Physics & Lab (30 pts) _____
 with a "C" or better or equivalent.

ENG 111 Writing Inquiry A (15 pts) _____
 Or Expository Writing B (10 pts) _____
 C (5 pts) _____

COM 120 Interpersonal Communications A (15 pts) _____
 (COM 110 or COM 231 also accepted) B (10 pts) _____
 C (5pts) _____

PSY 150 General Psychology or A (15 pts) _____
 SOC 210 Intro to Sociology B (10 pts) _____
 C (5 pts) _____

One of the following:
 MAT 143, 152 or 171 or higher A (15 pts) _____
 Within 5 years of the start date of the CVS program B (10 pts) _____
 C (5 pts) _____

Humanities/Fine Arts Elective (3 sem. hrs.) A (15 pts) _____
 (see program evaluation) B (10 pts) _____
 C (5 pts) _____

SECTION D: HEALTH CARE EXPERIENCE

NA I and/or Patient Care Experience (15 pts) _____

See acceptable certifications and degrees in the CVS information packet

Total Sections A, B, C, D _____
 (Maximum possible points = 240)

75% of Raw Scores Total _____

SECTION E: PSB PROGRAM ENTRANCE EXAM

All sections will be averaged together

	<u>Percentile Score</u>
Part I – Verbal	_____
Part II – Arithmetic	_____
Part III – Non-Verbal	_____
Part IV - Spelling	_____
Part V - Reading Comprehension	_____
Part VI - Natural Sciences	_____
Part VII - Vocational Adjustment Index	_____

Total Section E Average Composite % _____
 (Maximum possible points = 693)

25% of Average Composite % _____

SUMMATION OF POINT TOTALS

Sections A, B, C, D _____

Section E _____

Grand Total _____

Revised 8/2018

