ASSOCIATE IN APPLIED SCIENCE in CARDIOVASCULAR SONOGRAPHY

Selective Admission Process

MINIMUM REQUIREMENTS ARE SUBJECT TO CHANGE EACH ACADEMIC YEAR.

Application Period: November 9, 2017 through March 22, 2018
(Excluding January 2 through January 9, 2018)

PROGRAM DESCRIPTION

The focus of this program is echocardiography (sonography of the heart) and includes some vascular sonography instruction. The curriculum provides the individual with the knowledge and skills necessary to acquire, process, and evaluate the human heart using high frequency sound waves to produce images of the heart. Course work includes effective communication and patient care skills combined with knowledge of physics, human anatomy, physiology, and pathology all of which are essential to obtaining high quality sonographic images. Students will learn through classroom, lab, and clinical instruction. 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-240) 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 2017–2018 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 2018

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.

<table>
<thead>
<tr>
<th>Compass</th>
<th>Accuplacer (CPT)</th>
<th>NC DAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>151 Reading + Writing</td>
<td>166 Reading + Sentence</td>
<td>151 English</td>
</tr>
<tr>
<td>47 Pre-Algebra</td>
<td>55 Arithmetic</td>
<td>*7 Math (DMA 010 – DMA 050) 66</td>
</tr>
<tr>
<td>Algebra</td>
<td>75 Elem Algebra</td>
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</table>

*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 Feb. 2016)
500 Math (prior to March 2016)
Or
530 Math (tested after Feb. 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 2017-2018 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 the High School Equivalency may also meet this requirement if they achieved a standard score of 45 or 450 on the High School Equivalency Natural Science Test. 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)).
4. NURSE AIDE I CERTIFICATION AND/OR DIRECT PATIENT CARE EXPERIENCE

All potential applicants who wish to apply to 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.** Current (active) listing on the NC NA I Registry is required.

NOTE: NA I will not be required for applicants holding a higher-level of certification. 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.

Potential applicants must have 480 hours or more of patient care experience within the last 5 years.

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. **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.

3. **REQUEST OFFICIAL HIGH SCHOOL TRANSCRIPT OR HIGH SCHOOL EQUIVALENCY SCORES**

   Request official transcripts from a regionally accredited high school/High School Equivalency agency and any colleges attended. 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](http://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.

4. **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.

NOTE: 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 will prohibit the student from receiving a professional license.
STEP 2: “INTENT TO APPLY” TO THE CARDIOVASCULAR SONOGRAPHY PROGRAM

1. ATTEND AN INFORMATION SESSION

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<tr>
<td>Thursday, March 1, 2018</td>
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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. 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-240) 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, 2017 through March 22, 2018 (excluding January 2 through January 9, 2018). 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: Courses taken in the full spring semester 2018 and/or 2nd mini session will not count towards your point count total.**

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

3. 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 (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. You may also contact the Literacy Council at 910-251-0911 to get information about a PSB study class.

4. 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.

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).

Four (4) 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 2018 (see page 8-9). 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 2 students with the highest grades will be selected to enroll in the Cardiovascular Sonography program in the fall of 2018.
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

- 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

Fifteen (15) 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 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 4 students

After the point count review, the top four (4) students with the highest score totals will become semifinalists. They will be notified by mail and are required to enroll in the mandatory course, Sonography Skills Awareness. This class will be held during the summer semester for two (2) weeks (beginning June 4 and ending June 15, 2018). Students will meet 2 days each week for three hours in the morning as well as two six-hour shadowing sessions held on various days during these two weeks. Course attendance requirement is 100 percent and missing one or more classes will result in failing the course. The specific course details are subject to change. 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 and written exams. The top two students with the highest total grade will be admitted into the Cardiovascular Sonography Program to begin in the fall semester 2018.
NOTE: *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.

Cardiovascular Sonography applicants who are selected based upon their point count and final grade taken 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 below 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 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 TWO 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 checker and immunization tracker.

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

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>STANDARD</th>
<th>EXAMPLES OF NECESSARY ACTIVITIES/DESCRIPTIONS</th>
</tr>
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<tbody>
<tr>
<td>Critical Thinking</td>
<td>Ability sufficient for clinical judgment</td>
<td>Establish clinical information with your findings.</td>
</tr>
<tr>
<td>Interpersonal</td>
<td>Ability to interact with individuals, families and groups from a variety of social, emotional, cultural and intellectual backgrounds</td>
<td>Establish rapport with patients and colleagues. Accept constructive criticism.</td>
</tr>
<tr>
<td>Communication</td>
<td>Abilities sufficient for interaction with others in verbal and written form</td>
<td>Explain exams to the patients and or family members. Write reports and verbally explain all findings to a physician.</td>
</tr>
</tbody>
</table>
| 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

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Visit the Cardiovascular Sonography web page for more information and answers to frequently asked questions: 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.

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<tr>
<th>CREDIT HOURS</th>
<th>IN-STATE TUITION</th>
<th>OUT-OF-STATE TUITION</th>
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<td>3752.00</td>
<td>35.00</td>
<td>75.00</td>
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<td>15</td>
<td>1140.00</td>
<td>4020.00</td>
<td>35.00</td>
<td>75.00</td>
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<tr>
<td>16 OR MORE</td>
<td>1216.00</td>
<td>4288.00</td>
<td>35.00</td>
<td>75.00</td>
<td>48.00</td>
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</table>

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 7/2017
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**

<table>
<thead>
<tr>
<th>Before Fall Registration</th>
<th>Summer Semester</th>
<th>Cost</th>
<th>Fall Semester One</th>
<th>Cost</th>
<th>Spring Semester Two</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uniforms (3 sets plus lab coat)</td>
<td>Tuition In State</td>
<td>160.00</td>
<td>Tuition In State (including student fees)</td>
<td>1,374.00</td>
<td>Tuition In State (includes student fees)</td>
<td>979.00</td>
</tr>
<tr>
<td>Embroidery for scrub tops and lab coat</td>
<td>Tuition Out of State</td>
<td>Included</td>
<td>Textbooks</td>
<td>15.00</td>
<td>NCUS Student Membership</td>
<td>15.00</td>
</tr>
<tr>
<td>Shoes (clinical)</td>
<td>ARDMS SPI Registry Exam Fee</td>
<td>50.00</td>
<td>Liability Insurance</td>
<td>15.00</td>
<td>*Notebooks</td>
<td>15.00</td>
</tr>
<tr>
<td>Medical Examination, 2-step TB test, HEP-B Vac, varicella proof, seasonal flu shot, etc.</td>
<td>Mileage to school and clinical sites</td>
<td>Varies</td>
<td>Tuition Out of State (including student fees)</td>
<td>4,446.00</td>
<td>NCUS Annual renewal fee (January)</td>
<td>15.00</td>
</tr>
<tr>
<td>CPR certification (2 year)</td>
<td></td>
<td>Varies</td>
<td>Tuition Out of State (includes student fees)</td>
<td>3,091.00</td>
<td>Mileage to school and clinical sites</td>
<td>Varies</td>
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<tr>
<td>Electronic Records Fee</td>
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<td>15.00</td>
<td>Liability Insurance</td>
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<td>*Notebooks</td>
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<tr>
<td>Criminal Background Check/Drug Screening/Immunization tracker</td>
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<td>115.00 to 180.00</td>
<td>Tuition In State (includes student fees)</td>
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<td>Textbooks</td>
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<td>Tuition In State (including student fees)</td>
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<td>1,374.00</td>
<td>Mileage to school and clinical sites</td>
<td>Varies</td>
<td>NCUS Meeting (approximate)</td>
<td>380.00</td>
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<tr>
<td>Tuition Out of State (including student fees)</td>
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<td>4,446.00</td>
<td>*Notebooks</td>
<td>10.00</td>
<td>Mileage to school and clinical sites</td>
<td>Varies</td>
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<tr>
<td>Textbooks</td>
<td></td>
<td>15.00</td>
<td>Tuition In State (includes student fees)</td>
<td>1216.00</td>
<td>NCUS Meeting (registration, travel, hotel, meals, etc.) optional</td>
<td>380.00</td>
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<tr>
<td>Liability Insurance</td>
<td></td>
<td>15.00</td>
<td>Tuition Out of State (includes student fees)</td>
<td>3,091.00</td>
<td>*Notebooks</td>
<td>10.00</td>
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<tr>
<td>Calculator</td>
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<td>10.00</td>
<td>Tuition Out of State (including student fees)</td>
<td>3,091.00</td>
<td>NCUS student fee; optional</td>
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<tr>
<td>Mileage to school and clinical sites</td>
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<td>Varies</td>
<td>Textbooks</td>
<td>100.00</td>
<td>NCUS Meeting (registration, travel, hotel, meals, etc.) optional</td>
<td>380.00</td>
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<tr>
<td>*Notebooks</td>
<td></td>
<td></td>
<td>*Notebooks</td>
<td>10.00</td>
<td>NCUS Meeting (registration, travel, hotel, meals, etc.) optional</td>
<td>380.00</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Fall Semester I</th>
<th>Course</th>
<th>Title</th>
<th>Class</th>
<th>Lab</th>
<th>Clinical</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>SON 111</td>
<td>Sonographic Physics</td>
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<tr>
<td>BIO 163 or BIO 169</td>
<td>Basic Anatomy &amp; Physiology</td>
<td>4</td>
<td>2</td>
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<tr>
<td>CVS 160</td>
<td>CVS Clinical Education</td>
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<td>4</td>
<td>9</td>
<td>5</td>
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<tr>
<td>CVS 163</td>
<td>Echo I</td>
<td>3</td>
<td>2</td>
<td>0</td>
<td>4</td>
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<td><strong>Totals</strong></td>
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<table>
<thead>
<tr>
<th>Spring Semester I</th>
<th>Course</th>
<th>Title</th>
<th>Class</th>
<th>Lab</th>
<th>Contact</th>
<th>Credit</th>
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<td>CVS 161</td>
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<td>0</td>
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<tr>
<td>CVS 164</td>
<td>Echo II</td>
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<td>2</td>
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<td>SON 250</td>
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<td>PHY 110, 110 A</td>
<td>Conceptual Physics</td>
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<td><strong>Totals</strong></td>
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<table>
<thead>
<tr>
<th>Summer Semester I</th>
<th>Course</th>
<th>Title</th>
<th>Class</th>
<th>Lab</th>
<th>Contact</th>
<th>Credit</th>
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<td>CVS 162</td>
<td>Clinical education III</td>
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<td>PSY 150 or SOC 210</td>
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<tr>
<td>ENG 111</td>
<td>Writing &amp; Inquiry</td>
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<td><strong>Totals</strong></td>
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<th>Fall Semester II</th>
<th>Course</th>
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<th>Class</th>
<th>Lab</th>
<th>Contact</th>
<th>Credit</th>
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<td>COM 110, 120, or 231</td>
<td>Communication Course (choose one)</td>
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<td>0</td>
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<td>3</td>
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<tr>
<td>MAT 143, 152, or 171</td>
<td>College Algebra</td>
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<td>0</td>
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<td><strong>Totals</strong></td>
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<table>
<thead>
<tr>
<th>Spring Semester II</th>
<th>Course</th>
<th>Title</th>
<th>Class</th>
<th>Lab</th>
<th>Contact</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>CVS 261</td>
<td>Clinical Education V</td>
<td>0</td>
<td>0</td>
<td>24</td>
<td>8</td>
<td></td>
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<tr>
<td>HFA</td>
<td>Humanities Fine Arts Elective</td>
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<td>0</td>
<td>0</td>
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<td></td>
<td><strong>Total Core Credits</strong></td>
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<td><strong>Total Major credits</strong></td>
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<td></td>
<td><strong>73-74</strong></td>
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</table>
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)
- Nurse Aide I Certification (mandatory)_____
  (or acceptable patient care experience)

**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**
- 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)  _____
  B (10 pts)  _____
  C ( 5 pts)  _____

**SECTION C: CVS CURRICULUM COURSES**
* BIO 168 Anatomy and Physiology I
  A (30 pts)  _____
  B (20 pts)  _____
  C (10pts)  _____
  And
* BIO 169 Anatomy and Physiology II
  A (30 pts)  _____
  B (20 pts)  _____
  C (10pts)  _____
  Or
* 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
  with a “C” or better or equivalent. (30 pts) _____
- 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
  SOC 210 Intro to Sociology
  A (15 pts)  _____
  B (10 pts)  _____
  C ( 5 pts)  _____
- One of the following:
  MAT 143, 152 or 171 or higher
  A (15 pts)  _____
  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 = 220)

- 75% of Raw Scores Total

**SECTION E: PSB PROGRAM ENTRANCE EXAM**
All sections will be averaged together

<table>
<thead>
<tr>
<th>Percentile Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part I – Verbal</td>
</tr>
<tr>
<td>Part II – Arithmetic</td>
</tr>
<tr>
<td>Part III – Non-Verbal</td>
</tr>
<tr>
<td>Part IV - Spelling</td>
</tr>
<tr>
<td>Part V - Reading Comprehension</td>
</tr>
<tr>
<td>Part VI - Natural Sciences</td>
</tr>
<tr>
<td>Part VII - Vocational Adjustment Index</td>
</tr>
</tbody>
</table>

**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 7/2017