

RADIOGRAPHY

Selective Admission Process: this program requires a separate application in addition to the admission to the college; all application deadlines are firm

Application Dates: January 13, 2022 through April 4, 2022

MINIMUM REQUIREMENTS ARE SUBJECT TO CHANGE EACH ACADEMIC YEAR

Special Note from the Dean of Health and Human Services office:

Due to potential of the COVID-19 crisis, the below described Fall 2022 selection processes to CFCC's health sciences are subject to change. If any changes arise involving CFCC's ability to adhere to the information below, CFCC will reserve the right to make adjustments and will make every effort to communicate these to the applicants in a timely manner.

Radiographers use radiation to produce images of tissues, organs, bones, and vessels that comprise the human body. The curriculum includes instruction in patient care and management, radiation protection, imaging procedures, quality assurance, recording media processing, equipment maintenance, interpersonal communication, and professional responsibility through an integration of classroom, laboratory, and clinical education. The radiographer is a skilled healthcare professional qualified to provide patient services using imaging modalities as directed by qualified physicians. Program graduates are eligible to apply to take the national examination administered by the American Registry of Radiologic Technologists for certification and registration as medical radiographers. **Please visit the Radiography Program website for more information on the program and the profession: <http://cfcc.edu/radiography/>**

The Radiography program is a five semester, full-time program beginning in the Fall Semester of each year. Classes are held at the downtown campus and the clinical education component of the program is conducted in various hospitals and other medical facilities affiliated with Cape Fear Community College by contract. Collectively the clinical affiliates provide a sufficient number and variety of radiographic procedures to offer students a well-balanced, supervised clinical experience. Hours for clinical rotations are generally from 8:00 am to 3:30 pm. During the second year of the program students will rotate three to four weeks through weekend and weeknight shifts (3:00 pm to 10:30 pm). The entire semester clinical schedule will be posted prior to the beginning of each semester. Sites are located up to 60 miles from the downtown campus. Transportation to and from the sites are the students' responsibility. *Note: A criminal background check and drug screen is required for all clinical sites.*

Employment

Program graduates work in radiology departments in hospitals, clinics, physicians' offices, research and medical laboratories, federal and state agencies and industry. The hospital offers a wide variety of sub-specialties including orthopedics, mammography, operating room and trauma areas. Average starting hourly wage will range from \$18.00 - \$24.00 per hour.

Program Mission, Goals and Learning Outcomes

Mission Statement: the program's mission is to prepare graduates to be competent radiographers.

Goals and outcomes in support of the program's mission:

Program Goals

1. The graduates of the program will demonstrate competence in skills basic to the Radiography Profession.
 - Students will competently perform routine radiographic procedures.
 - Students/graduates will provide proper patient care and management.
 - Students/graduates will demonstrate proper radiation safety practices to patients, self and others.

- The student/graduate will be clinically competent by rotating through excellent clinical sites provided by the program.
2. The graduates of the program will be able to effectively utilize problem solving and critical thinking skills.
 - Students/graduates will demonstrate competence in non-routine examinations.
 - Students/graduates will apply critical thinking skills in the practice of diagnostic radiography.
 3. The graduates of the program will accept responsibility for continuing the process of professional development and growth.
 - Students will demonstrate adherence to professional ethics and standards.
 - Students will demonstrate behaviors that promote teamwork.
 - The graduates will demonstrate professional behaviors and exhibit interest in professional radiologic technology organizations and professional development.
 4. The graduates of the program will communicate effectively with patients and healthcare teams.
 - Students/graduates will demonstrate effective oral communication skills.
 - Students/graduates will demonstrate effective written communication skills.

Program Outcomes:

The program meets the needs of the community by providing qualified radiographers.

1. Students will complete the program within 2 years.
2. Graduates will pass the ARRT exam.
3. Graduates will seek employment in radiography or enter advanced education programs.
4. Employers will indicate satisfaction with graduates' quality of work.
5. Graduates of the program will indicate satisfaction with preparation for employment.

APPLICATION PROCESS

It is the Radiography applicants' responsibility to ensure that all requirements are met by the established deadline. Radiography deadlines, guidelines, and policies apply equally to all students; thus there can be no exceptions.

The Radiography faculty conduct detailed information sessions that are held during the fall of 2021 and winter of 2022 (see the Radiography website for specifics). Note: attendance is beneficial but does not provide points for the Fall 2022 application period.

Admissions 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.

The Radiography program at CFCC requires a separate application as it is selective admission. Students must meet minimum requirements and complete an "Intent to Apply" during the application period. This is done electronically and can be accessed at the program website: www.cfcc.edu/radiography.

Prior to completing the "Intent to Apply", prospective students must first be accepted for general admission to Cape Fear Community College. Below are the steps for acceptance to CFCC:

1. Complete the CFCC General Admissions Application, which includes the Residency Determination Application. For students that have applied to or have taken classes at CFCC previously, the application has to be active. If the prospective student has not attended classes at CFCC for one year (12 months) or longer, they must reapply and be accepted prior to filing an "Intent".

2. 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 electronically, by mail or by hand delivery to CFCC in the original, sealed envelope from the awarding institution or agency. If the prospective student graduated from a North Carolina public high school within the past three years, they may request that an official high school transcript be sent electronically to the Admissions Office via the College Foundation of North Carolina (CFNC) website at www.cfnc.org. The official school administrator for home schooled students must submit a copy of the home school's approved registration from the state in which they are registered (if applicable), and a home school transcript with graduation date. All students selected to the program must have graduated from high school at the start of the program or have earned the equivalent credentials.
3. Request official transcripts from **all** colleges/universities attended (if applicable) be mailed or electronically sent to the Admissions and/or Records Office. These will be reviewed for possible transfer credit. Note: transcripts from Masters or Ph.D. programs are not required. Transcripts from colleges that are not regionally accredited may be evaluated on a case-by-case basis.

Once accepted to CFCC, students must meet the minimum requirements listed below and then complete/file an "Intent to Apply" electronically during the application period:

1. **Applicants must meet minimum English and Math requirements.** Any parts of the criteria below can be combined to meet the requirements. *Official transcripts and/or test scores are required.*
 - An Associate's Degree or higher **OR**
 - An unweighted U.S. High School GPA of 2.8 or higher regardless of graduation year or NC Community College Adult High School (AHS) unweighted GPA of 2.8 or higher **OR**
 - New: High School Career and College Ready Graduate (CCRG) Enhanced English IV score of 80 or higher on Tiers I and II AND
 - High School CCRG Math score of 80 or higher on Tiers I, II, and III OR Math 3 End of Course (EOC) score of 4 or higher **OR**
 - Completion of **English Composition I or higher** (or its equivalent; i.e. ENG-111 in the North Carolina Community College common course library) **and Quantitative Literacy or higher** (or its equivalent; i.e. MAT-143 in the North Carolina Community College common course library) with a grade of "C" or better at a regionally accredited college. (Note: if both requirements are met via CFCC transfer credit, then skip to bullet no. 2 on page 4). **OR**
 - Successful completion of Developmental (Transitional) English and Math classes at a North Carolina Community College (only) that would allow placement into English 111 and Math 143 **without co-requisites**. **OR**
 - Completion of an NCDAP, Accuplacer (Classic, not Next Gen.), RISE, or COMPASS Placement Test with English and Math placement into English 111 and Math 143 **without co-requisites**, regardless of completion date.

	NCDAP Placement Test	Accuplacer Classic (Not Next Gen.)	RISE PT	COMPASS
ENGLISH	English Composite score of 151	Reading Comprehension and Sentence Skills combined score of 166	Score of 70 in Tiers I and II	Reading + Writing= 151
MATH	Score of 7 in DMA Modules 10-50	Arithmetic score of 55 AND Elementary Algebra score of 55	Score of 70 in Tiers I and II	Pre-Algebra= 47 AND Algebra= 40

- ACT or SAT English and Math scores obtained within the last ten years that would allow placement into English 111 and Math 143 **without co-requisites** (see charts below).

	ACT After 03/2014	ACT 2012-02/2014	ACT 2010-2011
ENGLISH	English Score is 18+ OR Reading Score is 22 +	English Score is 18+ OR Reading Score is 21+	English Score is 22+ OR Reading Score is 22+
MATH	Math Score is 22+	Math Score is 22+	Math Score is 22+

	SAT After 03/2016	SAT 2012-03/2016	SAT 2010-2011
ENGLISH	Evidence Based Reading/Writing Score is 480+	Critical Reading Score is 500+ OR Writing Score is 500+	Reading Score is 510+ OR Writing Score is 510+
MATH	Score of 530+	Score of 500+	Score of 510+

Other tests:

“GED Credential 2014+” version: Score of 165 or higher in all 4 subject areas; versions prior to “GED Credential 2014+” are not approved by the NC Systems Office for placement (official GED transcript is required to be sent to CFCC).

HiSet Diploma: Score of 15 or higher on all 5 subject areas AND a score of 4 on Essay (official HiSet transcript is required to be sent to CFCC).

Any placement tests may be taken only twice within twelve (12) consecutive months. If an applicant has tested more than twice in twelve consecutive months, only the first two attempts will be considered in the application process. Placement test scores which violate the testing policy will be disregarded.

If a Placement Test has been taken at another community college, it is the student’s responsibility to ensure that an official copy of the score report is received by Cape Fear Community College prior to the application deadline.

Accommodations for testing due to a documented disability may be made with the Disability Support Services office in the Union Station Building (U-218) or call (910) 362-7012 or (910) 362-7158.

2. **Students must have 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, the student must maintain a minimum GPA of 2.0 to enter the program in the fall. If the student’s CFCC cumulative GPA is below 2.5 at the time of filing an “Intent to Apply” and they have not been enrolled in CFCC for one year (12 months) or longer, they may be eligible for *Academic Forgiveness* (see 2021 – 2022 catalog for more information).
3. **High School or College Biology course with a grade of “C” or better.** All students who wish to apply for the Radiography program must have completed a Biology course in high school or college and achieved a

grade of “C” or higher within five (5) years of the start date of the Radiography Program. 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 an 8 on the 2014-present HiSet. If a student doesn’t meet this requirement, BIO 163 or BIO 168 is the recommended course (if BIO 168 is selected, BIO 169 must also be completed to meet graduation requirements).

4. File “Intent To Apply”

An “Intent to Apply” for the Radiography program may be completed **ONLINE** during the application period of January 13, 2022 through April 4, 2022. Students must visit the programs’ website (www.cfcc.edu/radiography), study the instructions, and click on the “File My Intent” button to proceed. Students must make sure to complete all required fields/areas all the way to the end and then submit the form. If the “Intent” is approved, i.e. all eligibility requirements are met, the student will receive information in their CFCC e-mail account explaining the next steps. This e-mail includes instructions on how to register for the PSB test. Applicants must file the “Intent to Apply” prior to the end of the application period. Students who file an “Intent to Apply” and do not meet the minimum requirements will receive an e-mail addressing the missing items. Once eligible, they may re-file their “Intent” as long as it is prior to the end of the application period. Note: If technical difficulties are encountered, students may contact the CFCC Helpdesk at 910-362-4357.

“Intent to Apply” Checklist for the Radiography Program:

- Admitted to CFCC (by Admissions) or that application status is active
- Official high school transcript is on file at CFCC
- Official college/university transcripts (if applicable) are on file at CFCC
- Meet English and Math eligibility (see pages 3 and 4)
- Overall GPA at CFCC of 2.5 or higher (criteria waived if students do not have an established GPA at CFCC)
- Completed a Biology class with a grade of “C” or better within the last five (5) years

Note I: Having completed all general education courses that are part of the Radiography program is not required in order to complete the selective admissions application to the program.

Note II: If general education courses are completed prior to the start of the program, this does not decrease the number of semesters required for this program. It takes five semesters to complete all Radiography classes.

5. Psychological Services Bureau (PSB) Admissions Exam

Students who meet the minimum application requirements will receive instructions on how to register for the Health Occupations (HO) PSB exam following the successful completion of their “Intent to Apply”. Due to testing limitations related to COVID-19, **applicants to the Radiography Program may take the HO PSB only ONCE for this application period.** Those who have taken the Health Occupations PSB for Radiography in previous years should be aware that only score totals from the two most recent attempts within the last 5 years from the date the “Intent to Apply” is filed will be considered. **The highest overall score of the two most recent eligible tests will be used on the point count. We will not create a new score using the highest points in each test category. If a student is planning to use a test taken at another college, the official test report must be on file by April 14, 2022. NOTE: ALL TESTING MUST BE COMPLETED ON OR BEFORE APRIL 14, 2022 and must be on file in the Health Science Enrollment Center at CFCC in order to be considered for the Radiography program.** Test results received after April 14, 2022 will not be accepted.

Note: There are three types of tests offered by the PSB testing company: a test for RN, for LPN, and for the Health Occupations (HO). Students need to make sure they select the PSB for HO for Radiography during the application process.

Flexible Testing Options:

Applicants may take the HO PSB exam off campus at any available Pearson Test Center or on campus on a limited basis at the CFCC Union Station Testing Center.

Note: Students are encouraged to file an “Intent to Apply” to the Radiography program as early as possible during the application period to ensure that they have multiple testing options to choose from. Once on campus test dates are full, the only option for testing may be off-site.

PSB has indicated that the current cost of the PSB HO test will be \$60.00 for the CFCC on campus option and \$100.00 when using an offsite Pearson test center (additional fees may apply). CFCC does not determine the cost of the test and will not function as payee. Payment for the test will be part of the test registration process (Financial Aid does not cover the cost of the test.) CFCC will have access to test results upon completion of the test for both options. In terms of the selection process, one option does not provide a point count advantage over the other.

All available on campus test sessions for the Radiography PSB application period will be displayed on a scheduling calendar that will be accessible after the student’s “Intent to Apply” is approved.

An off campus option to test at any available Pearson Test Center will also be available as a choice. It may provide a greater number of testing dates, times, and locations. If an applicant who has completed a successful “Intent to Apply” indicates that the off campus option would best fit their needs, they may have a “testing window” of up to 30 days to complete the off campus testing process.

Regardless of the 30 day “testing window” that Pearson allows for the off campus option, ALL TESTING MUST BE COMPLETED ON OR BEFORE April 14, 2022 in order to be considered for the Radiography program. Test results received after April 14, 2022 will not be accepted.

After filing an eligible “Intent to Apply”, students needing accommodations for the PSB, should contact Disability Support Services (DSS). Testing must not be scheduled via the above described scheduling calendar. The scheduling of the accommodated test must be coordinated by the staff of DSS and CFCC Testing Services. Note: Offsite testing may not guarantee appropriate accommodations.

Detailed information about the PSB registration process for BOTH options will be provided in the email correspondence the student will receive after the “Intent to Apply” is approved (check CFCC email inbox thoroughly and frequently).

Students are not allowed to schedule multiple test dates (on campus or off campus) with the intent of making adjustments at a later time. If it is determined that multiple tests are scheduled for one potential applicant, all test reservations will be cancelled.

Rescheduling a previously confirmed test date is strongly discouraged. If a critical emergency should occur, the student will need to request that their test date be removed (by contacting Testing Services for on campus tests; for off campus follow test company’s guidelines). At that point, they may then be able to schedule a new test date using the initial testing registration process described above.

Note: It is the student’s responsibility to schedule their test in a timely manner. CFCC cannot guarantee testing availability on campus as seat capacity is limited. If testing is not completed and the

official test result is not received by the Health Science Enrollment Center at CFCC on or prior to APRIL 14, 2022, the student’s “Intent” will become ineligible for the Radiography selection process.

Students will have access to test scores after they complete the PSB exam. **The minimum score requirement to move forward in the application process is to have a 60% average composite score in the following sections: Academic Aptitude (to include Verbal, Arithmetic, Non-Verbal), Spelling, Reading Comprehension, Natural Sciences, and Vocational Adjustment Index.** If the applicant has met the minimum score requirements in the five (5) required areas, they will be invited to review their point count electronically after the application deadline and after all point counts are completed. Students will receive a copy of their point count from the Health Science Enrollment Center via email late-spring 2022, including instructions on how to agree or recheck the total point count. Applicants who fail to respond to the request to review their point count will waive their right to contest their point totals.

A study guide for the PSB Exam can be accessed at: <https://cfcc.edu/testing-services/take-the-psb-exam/>. It is recommended that students purchase a PSB study guide. These are available for purchase online and in some book stores. **In addition, the staff in the CFCC Learning Lab (910-362-7496) may be able to provide resource materials to help prepare for the PSB exam.** The prospective applicant may also visit the testing company website at psbttests.com.

Note: Students who meet the cut off score requirement on the PSB test will automatically become *Qualified Applicants* for the Radiography application pool. No additional application form is required.

Applying into Multiple Programs: Students who apply into multiple health science programs at CFCC that use the Health Occupations PSB may test only once per application period and are required to have score totals “renormed” for the additional programs. This means that test results will be recalculated to apply to each specific health science program. A \$25 fee applies for each renorming request. If selected into more than one program, the student is required to commit to the program of choice by the deadline stated in the correspondence sent by the Health Science Enrollment Center. Failure to do so in writing will result in the loss of the seat.

Note: Depending of 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 students have any questions about eligibility for professional licensure please contact the professional organization’s website.

RADIOGRAPHY SELECTION PROCESS

The point system was implemented as an objective means for evaluating radiography applicants. ALL documents needed to award points must be on file at CFCC prior to the application deadline (April 4, 2022). **No points will be awarded for documentation received after the application deadline. If students are currently or were previously enrolled in another college, it is their responsibility to ensure that the final transcript is received by CFCC prior to the application deadline.**

Applicants will be ranked based upon points earned, and **twenty-six (26) students** with the highest point count totals will be invited and required to enroll in a **Radiography Skills Assessment** in the summer of 2022 (see page 9).

If two or more students have the same point count total, the date and time that the Radiography “Intent to Apply” was submitted successfully (i.e. eligibility criteria were met) will be the deciding factor. After

completion of the assessment, **18 students with the highest grades in the assessment will be selected to enroll in the Radiography program for fall of 2022.**

SECTION A: Non-Coursework

- Points for Grade Point Average – ten (10) points will be awarded for students with a Grade Point Average of 3.5 or higher at CFCC (minimum of 12 credits, excluding developmental classes).

SECTION B: Other Coursework

- Five (5) points each for high school Chemistry and Physics course with a “C” or better. If the applicant is currently a high school senior with a 3.5 or higher GPA (unweighted), he/she is eligible for fifty-five (55) points, if the high school student has not completed college course work that contributes to the point count for this program. Note: A student will not get points for both a 3.5 (unweighted) high school GPA and college courses. Points will be awarded for one or the other, whichever is highest.
- Fifteen (15) points will be given for a college Chemistry course and ten (10) points for a college Physics course (must be “C” or higher and cannot earn points for both high school and college course in the same area).

SECTION C: College Coursework (not a minimum requirement- used for point count and to satisfy program General Education coursework)

- Radiography applicants may earn points for the completion of various related courses in CFCC’s Radiography program. In order to earn points for college courses, applicants must have achieved grades of “C” or higher. See “Point Count Worksheet” for point values.
- Note: To receive points for courses listed on the point count, the courses must be completed before the application deadline.
- SPECIAL NOTES:
 - BIO 163 or BIO 168 and BIO 169 must have been taken in the last five (5) years to the start date of the program. First attempt with a letter grade of “C” or better will be considered for the point count.
 - Humanities/Fine Arts Elective: This requirement may be met by taking an approved Humanities or Fine Arts course. For approved courses, please refer to the student’s program evaluation (course substitutions may apply).

Note: Students who have questions or concerns regarding transfer credits from other colleges and/or universities must address and resolve their concerns prior to the end of the application period (please contact a staff member at the CFCC Health Science Enrollment Center).

SECTION D: PSB Admissions Test (to be taken once during the specified timeframe after the “Intent to Apply” is approved)

Percentiles in 5 areas of the PSB Exam – I) **Academic Aptitude (to include Verbal, Arithmetic, Non-Verbal)**, II) **Spelling**, III) **Reading Comprehension**, IV) **Natural Sciences**, and V) **Vocational Adjustment Index** are used in calculating the points earned in this section. These 5 percentiles are averaged and this value is used toward the applicant’s total points. **A minimum average composite score of 60% is necessary to become a qualified applicant to the program.**

Calculation of Total Points

The applicant’s total points are calculated using non-course work, academic course work, and the averaged total of the PSB (see point count sheet). The highest total of the two most recent eligible PSB tests within the last five years from the date the “Intent to Apply” is filed will be selected for this calculation. Tests are valid for 5 years from the date the “Intent to Apply” is filed (please refer to the point count sheet for details).

APPLICANTS WHO FAIL TO RESPOND TO THE REQUEST TO REVIEW THEIR POINT COUNT WILL WAIVE THEIR RIGHT TO CONTEST THEIR POINT TOTAL. *Applicant’s point counts are confidential; to protect the student’s privacy, point count totals can only be discussed with the applicant.*

Radiography Skills Assessment Requirement for the top 26 students

- After the point count review, the top twenty-six (26) students with the highest score totals will become semi-finalists and will be required to participate in the Radiography Skills Assessment. This will be held during the summer semester for two (2) weeks (beginning June 13 and ending June 22, 2022).
- Students will meet on Monday 6/13, Wednesday 6/15, Friday 6/17, Monday 6/20 and Wednesday 6/22 for three hours in the morning or three hours in the afternoon.
- The Radiography Skills Assessment is designed to give an overview of the profession and include basic radiographic concepts. Students' understanding of the material will be assessed through interactive lab tasks and written exams.
- Attendance **requirement is 100 percent and missing one or more sessions will result in failing the assessment.** Students who pass the assessment will be ranked by their degree of radiography skills and potential for successful program completion based on the evaluation. **The top 18 students** will be accepted and will begin class in August of 2022.

Acceptance into the program is for the current year only (2022-2023). Students that decline their seat will need to reapply for future admission.

NOTIFICATION PROCEDURE

Eighteen (18) students will be admitted to the Radiography Program for the fall of 2022.

Radiography applicants will be conditionally accepted into the program pending the submission and review of a medical history form, drug screening, criminal background check and CPR certification.

The top Eighteen students who are selected will be notified when to complete the following information:

1. Physical Exam and Immunizations

All completed health/medical reports must be received by the specified date noted in the materials provided at the program orientation. This includes a Covid19 vaccination.

2. CPR

Students must submit documentation of the American Heart Association (AHA) Basic Life Support BLS or BCLS (adult, child, and infant). This must be valid for two years. Classes are available through First Hands CPR, Inc., 613 Bracken Fern Road, Wilmington, NC 28405, Telephone: [910-352-3777](tel:910-352-3777), Email: firsthandcpr@ec.rr.com, <http://firsthandcpr.com>. This is not required until Fall Semester when entering Clinical Practicum I. Information on specifics will be given at orientation after acceptance.

3. Criminal Background Check and Drug Screening

Information on specifics will be given at orientation after acceptance. Clinical sites require a drug screening and a criminal background check prior to allowing students into the clinical setting (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 Radiography Program. For further information, students should see the "Drug and Alcohol Policy" in the 2021-2022 CFCC Student Handbook. Students must access a criminal background check at <https://mycb.castlebranch.com> or by calling 888-914-7279. Background checks from other companies will not be accepted.

Be advised that if a student has been convicted of a crime with the sole exception of speeding and parking violations, the student may not be eligible to take the ARRT national certification registry exam. This means

that the student can never become registered and thus will not be able to practice as a Registered Radiographer. If a student has ever been convicted of a crime, the ARRT may be contacted to resolve this issue prior to applying for acceptance into this program. For further inquiries concerning this, contact the ARRT directly at (651) 687-0048 or visit their web site at www.arrt.org.

4. Transportation

Students must provide their own transportation to clinical sites. Applicants should be aware that travel in areas outside of New Hanover County will be required for clinical placement. The out of town clinical sites (30-60 miles) include Doshier Memorial Hospital in Southport, NC and Brunswick Novant in Bolivia, NC.

PROGRESSION POLICY

Students admitted to the Radiography Program must achieve or have achieved a “C” in each course in the curriculum in the sequence described in the curriculum schedule in order to progress semester by semester.

Grading Policy

A	92-100
B	84-91
C	76-83
D	68-75
F	below 67

A semester credit hour is equivalent to 16 hours of classroom instruction or 48 hours of laboratory or clinical instruction.

PHYSICAL AND COGNITIVE EXPECTATIONS OF A STUDENT RADIOGRAPHER

Radiography is a practice discipline with cognitive, sensory, affective, and psychomotor performance requirements. Students will be an excellent candidate for this field if they like to be active and enjoy working with a variety of people. Good communication, problem-solving and analytical skills are also important for radiographers. The profession is a physically demanding one. Tasks on a typical day include assisting with lifting patients, transporting patients on stretchers or in wheelchairs, and moving heavy portable imaging equipment within the hospital. The environment is fast paced and stressful and students will be on their feet for several hours at a time. The radiographer must also respond to audio signals and alarms and be able to differentiate subtle shades of gray on a diagnostic image.

For purposes of program compliance with the 1990 Americans with Disabilities Act, a qualified individual with a disability is one who with or without reasonable accommodation meets the essential eligibility requirements for participation in the Radiography program. If students believe program requirements cannot be met without accommodations or modification, Disability Support Services will determine on an individual basis, whether accommodations can be reasonably made.

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

TECHNICAL STANDARDS FOR RADIOGRAPHY

Because of the requirements inherent in performing radiologic procedures in clinical environments, the following “non-academic”; technical standards have been defined for Radiography applicants. Should a student NOT be able to meet the following demands, the student may be counseled to consider a change of major for their own safety and that of the patient. The essential functions are listed below.

Students are advised to read the standards carefully and to seek clarification if necessary.

Criterion	Standard	Examples of Necessary Activities
Motor Function	Good manual dexterity, motor skills and eye hand coordination are necessary.	<ul style="list-style-type: none"> • Reach, manipulate, and operation radiographic and fluoroscopic equipment, which is above shoulder level (about six feet off the floor). • Lift and carry at least thirty (30) pounds of weight in order to safely transport and use ancillary aids (cassettes, sandbags, portable equipment, etc.) when performing radiologic procedures. • Safely move standard wheel chairs and stretchers with patients from the emergency or waiting areas to radiologic examining rooms and safely assist mobile patients from the stretcher or wheel chair to the examining table and back without assistance. • Safely move immobile patients from stretcher to examining table and back with assistance from departmental personnel. • Lift, manipulate, and move patients as necessary for the performance of radiologic procedures.
Observation	The ability to observe the patient and any environmental activity is necessary.	<ul style="list-style-type: none"> • Correctly read technique charts, read and select correct exposure factors at control consoles, and read and set correct distances and other equipment settings at the radiographic and fluoroscopic towers. • Monitor equipment and background sounds during equipment operation and report unusual or abnormal sounds to the appropriate person. • Visually monitor patient for retention of correct position, correct breathing, motion or evidence of physical or emotional distress during the performance of radiologic procedures, including in dimly lit environments. • Monitor and evaluate the vital signs of a patient including the taking of temperatures and reading standard thermometers, taking blood pressure, monitoring respiration, and pulse rate.
Communication	The ability to speak, hear and observe patients is necessary.	<ul style="list-style-type: none"> • Communicate clearly, both orally and in writing, with the patient, patient’s family, clinical personnel, and others in order to obtain or disseminate information relevant to patient care and work duties. • Read and correctly carry out written instructions given on requisitions, treatment charts, notes and other records. • Understand and correctly carry out oral instructions given by instructors and clinical personnel in the special procedures suite or operating room setting where all personnel are wearing surgical masks.
Visual Acuity	The ability to see fine detail is necessary.	<ul style="list-style-type: none"> • Evaluate radiographs for technical quality including visual perception of density levels, contrast levels, evidence of distortion, and evaluation of minute structural details for evidence of blur.
Mental Stability	The ability to handle stressful situations is necessary.	<ul style="list-style-type: none"> • Demonstrate emotional stability and mental alertness in day-to-day interactions with patients, visitors, staff and peers in high stress/pressure situations in the radiologic environment.

Students who feel they need accommodation should contact the staff of 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.

PROFESSIONAL CERTIFICATION

Graduation from the Radiography Program does not guarantee eligibility for the American Registry of Radiologic Technologists Registry Examination (ARRT). Other eligibility requirements of the ARRT must be met. Individuals with misdemeanor/felony convictions should apply to ARRT for an evaluation of examination eligibility prior to admission to this program. To request a pre-application review form, phone ARRT at 651-687-0048, ext. 544; write to them at 1255 Northland Drive, St. Paul, MN 55120-1155 or go online at www.arrrt.org.

ACCREDITATION OF PROGRAM

The Radiography Program is fully accredited by the Joint Review Committee on Education in Radiologic Technology, 20 North Wacker Drive, Suite 2850, Chicago, IL 60606, Tel. (312) 704-5300. www.jrcert.org.

RESOURCES/ASSISTANCE

For questions or concerns regarding the selective admission process, please contact a staff member of the Health Science Enrollment Center in Union Station Building (Room U-297) at the Wilmington Campus; healthsciences@cfcc.edu; 910-362-7139.

TUITION & FEES

Payment methods: cash, check, money order, VISA, MasterCard, American Express, Discover, financial aid, payment plan or third (3rd) 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	9.00
5	380.00	1340.00	35.00	40.00	12.00
6	456.00	1608.00	35.00	40.00	15.00
7	532.00	1876.00	35.00	75.00	18.00
8	608.00	2144.00	35.00	75.00	21.00
9	684.00	2412.00	35.00	75.00	24.00
10	760.00	2680.00	35.00	75.00	27.00
11	836.00	2948.00	35.00	75.00	30.00
12	912.00	3216.00	35.00	75.00	33.00
13	988.00	3484.00	35.00	75.00	36.00
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	36.00

PROFESSIONAL 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 7/2019

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-Radiography or a Pre- Health Science program, the student will need to pay careful attention to the number of hours attempted prior to actual admission into the program of choice. Depending on the number of hours attempted prior to admission into a Health Science program, a student may not be eligible for enough financial aid to complete the program after they have been admitted.

To make sure students understand this policy and plan ahead in order to use their financial benefits in a wise and timely manner, students are encouraged to consult with the staff of the CFCC Financial Aid Office located in the Union Station Building (Room U-138) on the Wilmington Campus or in the McKeithan Center (Room NA-100) on the North Campus.

Cape Fear Community College
Estimated Expenses
Radiography Program
2022

First Semester (Fall)

Tuition/Fees (IN-STATE)	\$1,374.00
<i>Tuition/Fees (OUT-OF-STATE)</i>	<i>4,446.00</i>
Uniforms	200.00
Insurance	15.00
Books	500.00
Criminal Background, Drug	142.00
Screen & Immunization Tracker	
Physical	100.00
CPR	40.00

Total (IN-STATE) \$2,371.00
Total (OUT-OF-STATE) **\$5,443.00**

Second Semester (Spring)

Tuition/Fees (IN-STATE)	\$1,374.00
<i>Tuition/Fees (OUT-OF-STATE)</i>	<i>4,446.00</i>
Books	200.00

Total (IN-STATE) \$1,574.00
Total (OUT-OF-STATE) **\$4,646.00**

Third Semester (Summer)

Tuition/Fees (IN-STATE)	\$979.00
<i>Tuition/Fees (OUT-OF-STATE)</i>	<i>3,091.00</i>
Books	100.00

Total (IN-STATE) \$1,079.00
Total (OUT-OF-STATE) **\$2,614.00**

Total cost first year
(IN-STATE) \$5,024.00
Total cost first year
(OUT-OF-STATE) **\$13,280.00**

Fourth Semester (Fall)

Tuition/Fees (IN-STATE)	\$1,374.00
<i>Tuition/Fees (OUT-OF-STATE)</i>	<i>4,446.00</i>
Books	150.00
Insurance	15.00

Total (IN-STATE) \$1,539.00
Total (OUT-OF-STATE) **\$4,611.00**

Fifth Semester (Spring)

Tuition/Fees (IN-STATE)	\$1,137.00
<i>Tuition/Fees (OUT-OF-STATE)</i>	<i>3,633.00</i>
Books	100.00
Cap & Gown	25.00

Total (IN-STATE) \$1,262.00
Total (OUT-OF-STATE) **\$3,758.00**

Total cost second year
(IN-STATE) \$2,801.00
Total cost second year
(OUT-OF-STATE) **\$8,369.00**

Estimated cost of program without travel expenses to clinical sites is

IN-STATE..... **\$7,825.00**
OUT-OF-STATE..... **\$21,649.00**

Upon successful completion of this program students may apply to take the American Registry of Radiologic Technologists Registry exam. Fees associated with this exam are currently \$200.00

Radiography (A.A.S.) Degree Curriculum

I. General Education Courses- *These courses will add to the student's total point count and are required for graduation.*

Course #	Course Name	Credits	Notes
MAT	MAT 110 or higher	3	
BIO 163	Basic Anatomy & Physiology <i>Can substitute BIO 168 & BIO 169 for this course</i>	5	<i>Use this course for the minimum Biology requirement</i>
ENG 111	Writing & Inquiry or Expository Writing	3	
COM 110	Introduction to Communication	3	May substitute COM 120 or 231 for this course
PSY 150 or SOC 210	General Psychology or Intro to Sociology	3	Either course is accepted
Any	Humanities Elective	3	<i>Suggested: PHI 215, PHI 230, PHI 240 or HUM 115</i>

II. Other Courses- These courses are not required for graduation, but will add to the point count.

Any	College Chemistry		<i>See point count worksheet</i>
Any	College Physics		<i>See point count worksheet</i>

III. Major Courses- *Students will take these once officially accepted into the Radiography program and their major has been changed from Pre-Radiography to Radiography. All courses below are taken in this sequence. Note: Any General Education course from above that have not been taken prior to acceptance are required for graduation (see course catalog to determine the semester that the general education courses must be completed).*

Fall of First Year:

RAD 110	Rad Intro & Patient Care	3
RAD 111	Rad Procedures I	4
RAD 151	Rad Clinical Ed I	2
RAD 182	Rad Clinical Elective	2

Spring of First Year:

RAD 112	Rad Procedures II	4
RAD 121	Image Production I	3
RAD 161	Rad Clinical Ed II	5

Summer of First Year:

RAD 122	Image Production II	2
RAD 141	Radiation Safety	2
RAD 171	Rad Clinical Ed III	3
RAD 281	Rad Clinical Elective	1

Fall of Second Year:

RAD 211	Rad Procedures III	3
RAD 231	Image Production III	2
RAD 251	Rad Clinical Ed IV	7

Spring of Second Year:

RAD 113	Rad Lab Elective	1
RAD 261	Rad Clinical Ed V	7
RAD 271	Radiography Capstone	3

Total Credits = 74

RADIOGRAPHY POINT COUNT WORKSHEET FALL 2022

MINIMUM REQUIREMENTS

(to include but not limited to; see admissions requirements):
 Overall CFCC College GPA of 2.5 (if applicable) mandatory
 Biology Course (within the last 5 years) mandatory

SECTION A: NON-COURSEWORK

GPA of 3.5 or higher at CFCC (min 12 cr.) (10 pts) _____

SECTION B: OTHER COURSEWORK

High School Physics Course + (5 pts) _____
 High School Chemistry Course ++ (5 pts) _____
 Current HS Senior with an unweighted 3.5 GPA or better (55 pts) _____
 (Will not get points for both HS GPA and college courses)

College Physics Course ("C" or better) + (10 pts) _____
 College Chemistry Course ("C" or better) ++ (15 pts) _____
 + only one Physics course can earn points toward the total
 ++ only one Chemistry course can earn points toward the total

SECTION C: COLLEGE COURSEWORK

Courses required prior to or during the program as outlined in the college catalog. Points apply if taken prior to the application deadline.

*BIO 163 Basic Anatomy and Physiology (5 sem hrs) A (30pts) _____
 B (20pts) _____
 C (10pts) _____

OR
 *BIO 168 Anatomy and Physiology I (4 sem hrs) A (20pts) _____
 B (15pts) _____
 C (10pts) _____

AND
 *BIO 169 Anatomy and Physiology II (4 sem hrs) A (20pts) _____
 B (15pts) _____
 C (10pts) _____

*Only the first attempt with a letter grade of "C" or better will be considered for the point count; courses expire if older than five years prior to the start of the program (i.e. must have been taken after August 2017); therefore, points will not be awarded AND cannot use courses towards graduation.

MAT 110 Math Measurement & Literacy (3 sem hrs) A (5 pts) _____
OR higher B (3 pts) _____
 C (1 pt) _____

Student must be proficient in DMA 010 through DMA 050

ENG 111 Writing & Inquiry (3 sem hrs) A (5 pts) _____
 B (3 pts) _____
 C (1 pt) _____

COM 110 Intro to Communication (3 sem hrs) A (5 pts) _____
OR B (3 pts) _____
 COM 120 Intro to Interpersonal Com (3 sem hrs) C (1 pt) _____
OR COMM 231 Public Speaking (3 sem hrs)

PSY 150 General Psychology (3 sem hrs) A (5 pts) _____
OR B (3 pts) _____
 SOC 210 Introduction to Sociology (3 sem hrs) C (1 pt) _____

Humanities/Fine Arts Elective A (5 pts) _____
 (suggested: PHI 215, PHI 230, PHI 240 or HUM 115) B (3 pts) _____
 C (1 pt) _____

Total Points _____
 (Maximum total for sections A, B & C is 100)

SECTION D: PSB ADMISSIONS TEST

	Percentile Score
Part I – Academic Aptitude (Verbal, Arithmetic & Non-Verbal)	_____
Part II -Spelling	_____
Part III -Reading Comprehension	_____
Part IV -Natural Sciences	_____
Part V -Vocational Adjustment Index	_____

Average Composite % _____
(Minimum of 60%) _____

Please refer to the cut-off scores as outlined in the information packet.

SUMMATION OF POINT TOTALS

Sections A, B, & C	_____
Section D	_____
Grand Total	_____

NOTE 1: If students have the same point count total, the date and time that the Intent to Apply was submitted will be the deciding factor.

NOTE 2: In order to receive points in any of the areas above, all documentation must be on file at CFCC as outlined in the information packet (by the deadline and in the required format).

