

## **RADIOGRAPHY**

### ***Selective Admission Requirements***

**Application Period: January 23, 2018 through April 19, 2018**

***MINIMUM REQUIREMENTS ARE SUBJECT TO CHANGE EACH ACADEMIC YEAR.***

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 (3:00pm to 10:30pm). 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 these 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 Goal #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.

Program Goal #2: The graduates of the program will be able to effectively utilize problem solving, critical thinking and communication skills in the performance of medical imaging procedures.

- Students/graduates will demonstrate competence in non-routine examinations.
- Students/graduates will demonstrate effective communications skills.

Program Goal #3: The graduates of the program will accept responsibility for continuing the process of professional development and growth.

- Students will demonstrate professionalism in the clinical area.
- Students will demonstrate knowledge regarding professional development.

- Graduates will exhibit interest in professional radiologic technology organizations and professional development.

Program Goal #4: The program meets the needs of the community by providing qualified radiographers.

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

## **APPLICATION PROCESS**

It is important that all applicants for the Radiography Program understand the selective admissions process. Applicants who wish to submit a Radiography application must first meet minimum requirements. Please review carefully the information regarding minimum requirements and other pertinent information listed below.

**ALL APPLICANTS MUST APPEAR IN PERSON AT CAPE FEAR COMMUNITY COLLEGE. APPLICATIONS CANNOT BE TAKEN OVER THE TELEPHONE OR BY EMAIL/WRITTEN CORRESPONDENCE.**

Steps 1 through 6 must be completed prior to filing your "Intent to Apply" to the Radiography program.

### **Students must:**

1. Complete the CFCC General Admissions Application. (Including the Residency Determination Application)
2. 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.
3. Request official transcripts from **all** colleges/universities attended be mailed to the Admissions and Records Office. These will be reviewed for possible transfer credit.
4. **Have an overall GPA of 2.5 or higher in *all* post-secondary coursework completed at Cape Fear Community College.** Your GPA must remain at 2.0 or higher at the time of entry into the program. If your CFCC 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.)
5. Complete appropriate Placement Test, if required by the Admissions Office and meet minimum cut-off scores on Placement Test. (see #1 below)
6. High School or College biology course with a grade of "C" or better. (see #2 below)

- File an "Intent to Apply" form with the Counseling Office during the open application period for the Program. During the open application period, meet with a counselor to complete the "Intent to Apply" form. An appointment to take the Psychological Services Bureau (PSB) Health Occupations Exam will be scheduled at this time. Applicant must file the "Intent to Apply" and schedule PSB exam on or prior to 4:30 pm on the last day of the application period. (See # 3 & 4 below)

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.

## **MINIMUM ADMISSION REQUIREMENTS**

### **1. PLACEMENT TEST SCORES**

All students who wish to apply for the Radiography Program must have taken a Placement Test and met minimum cut-off scores within the previous five years.

Completion of English 111 or its equivalent and Math 115, 121, 143 or higher with a grade of "C" or better may eliminate taking a Placement Test.

Completion of MAT 110 will meet graduation requirements but will not waive the Math DMA-040 and DMA-050 requirement and students will need to take a 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).

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

#### **Compass**

151 Reading + Writing  
47 Pre-Algebra  
66 Algebra

#### **Accuplacer (CPT)**

166 Reading + Sentence  
55 Arithmetic  
75 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 Feb. 2016)  
500 Math (prior to March 2016)  
Or  
530 Math (tested after Feb. 2016)

#### **ACT**

18 English or  
22 Reading  
22 Math

If an 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 developmental courses/modules with a grade of "C" or higher and/or a grade of "P" prior to the

application deadline date and meets the other minimum requirements, he/she may be considered for admission to the program.

The Placement Test may be taken twice in twelve consecutive months. Applicants who violate the testing policy will be disqualified. Placement tests which violate the testing policy will be disregarded.

Students who have taken the Placement Test at another community college in the past **five (5) years** are responsible for ensuring that the official scores are sent to Cape Fear Community College. These scores must be received prior to filing the "Intent to Apply" to the program.

Students who need to make accommodations for testing due to a documented disability should contact the **Disability Support Services office in the Union Station Building (Room U-218) or call 910-362-7012 or 7158.**

## **2. BIOLOGY**

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 the High School Equivalency within **five (5) years** 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 should complete **BIO 163 or BIO 168**. (If the student takes BIO 168, they must also take BIO 169 to meet graduation requirements.)

## **3. PSYCHOLOGICAL SERVICES BUREAU (PSB) EXAM**

Students who meet the minimum requirements will schedule an appointment to take the Health Occupations PSB exam as part of the Intent to Apply process. Radiography applicants may take the Health Occupations PSB **one time per application period**. Those who have taken the Health Occupations PSB for Radiography 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 score in EACH AREA will be considered for points.

It is recommended that you purchase a PSB study guide. These are available for purchase online and in most bookstores. 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. A study guide for the PSB Exam can be accessed at: [cfcc.edu/testing/psbtesting/](http://cfcc.edu/testing/psbtesting/) (use lower case letters).

***A minimum average composite score of 60% is necessary to apply to the program. More information about the PSB examination will be discussed later in the packet.***

**A \$25.00 non-refundable fee will be charged to take the Health Occupations PSB exam. Applicants must appear in person at Cape Fear Community College. The PSB exam fee must be paid by check, cash or credit card at the time the PSB exam is scheduled. 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.**

A \$25.00 NON-REFUNDABLE FEE WILL BE CHARGED TO RENORM A HEALTH OCCUPATIONS PSB EXAM TAKEN FOR ANOTHER PROGRAM. TEST SCORES THAT ARE MORE THAN ONE YEAR OLD CANNOT BE RENORMED.

Those who have taken the PSB Health Occupations exam for Radiography in previous years should be aware that only those scores from the two most recent attempts will be considered.

#### **4. TIME FRAME**

Applications for the Radiography Program will be available beginning **January 23, 2018 through April 19, 2018** in the Counseling Office in the Union Station Building (Room U-240) on the Wilmington Campus or in the McKeithan Center (Room NA-100) at the North Campus. Applicant must file the "Intent to Apply" and schedule the PSB exam by 4:30 on the last day of the application period.

It is the applicants' responsibility to ensure that all requirements are met prior to filing your "Intent to Apply" to the program. Admission deadlines, guidelines, and policies for the Radiography program apply equally to all students; thus, **there can be no exceptions.**

### **RADIOGRAPHY SELECTION PROCESS**

**The Point System** was implemented as an objective means for evaluating Radiography Program applicants. ALL documents needed for points must be on file at CFCC on or prior to the application deadline. **No points will be awarded for documentation received after the application deadline.**

**Twenty four (24) students** with the highest point count totals will be invited and required to enroll in a Radiography **Skills Awareness course** that will be taught in the summer of 2018 (see page 6).

Radiography applicants will be ranked based upon points earned, and the students with the highest point count total will be selected for the skills awareness course. If two or more students have the same point count total, the date and time that the Radiography "Intent to Apply" was received in the counseling office will be the deciding factor. After completion of the course, **18 students with the highest grades will be selected to enroll in the Radiography program for fall of 2018.** See Radiography "Point Count Worksheet" for point values.

#### **SECTION A:**

- 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 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.

#### **SECTION B:**

- Points for Grade Point Average - 10 points will be awarded for students with a Grade Point Average of 3.5 or higher (minimum of 12 credits, excluding Developmental Classes) at CFCC.
- Fifteen (15) points will be given for a college Chemistry course and 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.)
- 5 points will be given to students currently enrolled with satisfactory progress in a NAACLS accredited Phlebotomy program or completion of NAACLS accredited Phlebotomy program.
- Points for Information session - 10 points will be awarded for attending one Radiography Program Information Session for the current year. In order to receive points, you must attend one of the sessions listed below. No points will be awarded for sessions attended in previous years. A certificate

of attendance must be filled out (by student) and collected by a counselor immediately after the information session in order for points to be awarded. Points will not be awarded for late arrival or if you leave the information session early.

Monday	October 23, 2017	2:00 – 3:00 pm	Room U-387
Thursday	January 11, 2018	2:00 – 3:00 pm	Room U-387
Wednesday	April 11, 2018	2:00 – 3:00 pm	Room U-387

**SECTION C:** 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.

- **SPECIAL NOTES:**
  - BIO 163 or BIO 168 and BIO 169 must have been taken in the last (5) five 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 your program evaluation.
  - A CIS computer course is no longer a program requirement, but computer competency is required for college graduation in NC. This can be met by taking CIS 110/111 or by taking a computer competency exam in the CFCC Learning Lab.

**SECTION D:** Points for Psychological Services Bureau (PSB) Admissions Exam

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 apply to the program.**

NOTE: Applicant's point count is confidential; thus, please do not call to inquire about your point count. To protect your privacy, point count totals cannot be discussed on the telephone.

### **Radiography Skills Awareness Course Requirement for the top 24 students**

- After the point count review, the top twenty four (24) students with the highest score totals will become semi-finalists.
- They will be notified by mail and are required to enroll in the mandatory course, *Radiography Skills Awareness*. This class will be held during the summer semester for two (2) weeks (beginning June 11 and ending June 20, 2018).
- Students will meet on Monday and Wednesday each week for three hours in the morning or three hours in the afternoon during these two weeks.
- This course 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.
- **Course attendance requirement is 100 percent and missing one or more classes will result in an unsatisfactory "U" and failing the course.** Students receiving an "S" will be ranked by their degree of radiography skills awareness and potential for successful program completion based on the evaluation methods above. **The top 18 students** will be accepted into the current year's class to begin in the fall of 2018.
- NOTE: *The Radiography 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.

**Acceptance into the program is for the current year only (2018-2019). Students that decline their seat will need to reapply for future admission.**

**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**

Eighteen (18) students will be admitted to the Radiography Program for the fall of 2018.

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 accepted students will be sent the North Carolina Community College System Medical Forms. These completed health/medical reports must be received by the specified date noted in the acceptance letter.

### **2. CPR**

You must submit documentation of the American Heart Association (AHA) Basic Life Support BLS or BCLS (adult, child and infant). This is good for two years. Classes are available through First Hands CPR, Inc. , 613 Bracken Fern Road, Wilmington, NC 28405, Telephone: 910-352-3777, Email: firsthandscpr@ec.rr.com, http://firsthandscpr.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 **2017-2018 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 you have been convicted of a crime with the sole exception of speeding and parking violations, you may not be eligible to take the ARRT national certification registry exam. This means that you can never become registered and thus will not be able to practice as a Registered Radiographer. If you have ever been convicted of a crime, you are encouraged to contact the ARRT and 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.rrt.org

#### **4. Transportation**

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

### **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. You'll be an excellent candidate for this field if you 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 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 you will be on your 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 determined on a case-by-case basis, do not preclude the student from meeting the qualifications considered essential to the program. The essential functions are listed below.



## **TECHNICAL STANDARDS FOR RADIOGRAPHY**

Because of the requirements inherent in performing radiologic procedures in clinical environments, the following technical standards have been defined for Radiography applicants.

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

1. Reach, manipulate, and operate radiographic and fluoroscopic equipment, which is above shoulder level (about six feet off the floor).
2. 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.
3. 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.
4. Safely move immobile patients from stretcher to examining table and back with assistance from departmental personnel.
5. Lift, manipulate, and move patients as necessary for the performance of radiologic procedures.
6. 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.
7. Monitor equipment and background sounds during equipment operation and report unusual or abnormal sounds to the appropriate person.
8. 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.
9. 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.
10. 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.
11. Read and correctly carry out written instructions given on requisitions, treatment charts, notes and other records.
12. 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.
13. 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.
14. 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 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.

### **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.arrt.org](http://www.arrt.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](http://www.jrcert.org).

### **COUNSELING**

If you have questions or concerns regarding the selective admissions process, please contact a counselor in the Union Station Building (Room U-240) Downtown Campus or in the McKeithan Center (Room NA-100) at the North Campus.

## TUITION & FEES

**Payment methods: cash, check, money order, VISA, MasterCard, American Express, Discover, financial aid, payment plan or third (3<sup>rd</sup>) 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.**

<b>CREDIT HOURS</b>	<b>IN-STATE TUITION</b>	<b>OUT-OF-STATE TUITION</b>	<b>STUDENT ACTIVITY FEES</b>	<b>PARKING &amp; SECURITY FEE</b>	<b>TECHNOLOGY FEES</b>
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**

**FULL TIME: 12 CREDIT HOURS**

**3/4 TIME: 9 CREDIT HOURS**

**1/2 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 on the Downtown Campus or in the McKeithan Center Room NA-100 on the North Campus.

**Cape Fear Community College  
Estimated Expenses  
Radiography Program  
2018**

**First Semester (Fall)**

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

<b>Total (IN-STATE)</b>	<b>\$2,371.00</b>
<b>Total (OUT-OF-STATE)</b>	<b>\$5,443.00</b>

**Second Semester (Spring)**

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

<b>Total (IN-STATE)</b>	<b>\$1,574.00</b>
<b>Total (OUT-OF-STATE)</b>	<b>\$4,646.00</b>

**Third Semester (Summer)**

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

<b>Total (IN-STATE)</b>	<b>\$ 1,079.00</b>
<b>Total (OUT-OF-STATE)</b>	<b>\$2,614.00</b>

<b>Total cost first year (IN-STATE)</b>	<b>\$ 5,024.00</b>
<b>Total cost first year (OUT-OF-STATE)</b>	<b>\$13,280.00</b>

**Fourth Semester (Fall)**

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

<b>Total (IN-STATE)</b>	<b>\$1,539.00</b>
<b>Total (OUT-OF-STATE)</b>	<b>\$4,611.00</b>

**Fifth Semester (Spring)**

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

<b>Total (IN-STATE)</b>	<b>\$1,262.00</b>
<b>Total (OUT-OF-STATE)</b>	<b>\$3,758.00</b>

<b>Total cost second year (IN-STATE)</b>	<b>\$2,801.00</b>
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<b>Total cost of second year (OUT-OF-STATE)</b>	<b>\$8,369.00</b>
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**Estimated cost of program without travel expenses to clinical sites is**

<b>IN-STATE.....</b>	<b>\$ 7,825.00</b>
<b>OUT-OF-STATE.....</b>	<b>\$ 21,649.00</b>

**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	MAT110 or higher	3	<i>Must be proficient in DMA 010 through DMA 050.</i>
BIO 163	Basic Anatomy & Physiology <i>Can substitute BIO 168 &amp; BIO 169 for this course</i>	5	<i>Use this course for your 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 230 Intro to Logic or HUM 115 Critical Thinking</i>

### II. Other Courses – *These courses are not required for graduation, but will add to your point count.*

Any	College Chemistry		<i>See point count worksheet</i>
Any	College Physics		<i>See point count worksheet</i>
CIS 110/111	Computer Literacy <b>(No points given)</b>	<b>3/2</b>	<b>No points given, but required for graduation, may take competency exam in CFCC Learning Lab.</b>

### III. Major Courses – *You will take these once you are officially accepted into the Radiography program and your 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	Radiographic Imaging I	3
RAD 161	Rad Clinical Ed II	5

#### Summer of First Year:

RAD 122	Radiographic Imaging II	2
RAD 131	Radiographic Physics I	2
RAD 171	Rad Clinical Ed III	4

#### Fall of Second Year:

RAD 211	Rad Procedures III	3
RAD 231	Radiographic Physics II	2
RAD 241	Radiobiology Protection	2
RAD 251	Rad Clinical Ed IV	7

#### Spring of Second Year:

RAD 245	Rad Quality Management	2
RAD 261	Rad Clinical Ed V	7
RAD 271	Radiography Capstone	1

Total Credits = 75

**Computer competency must be met for graduation.**

Applicants Name \_\_\_\_\_ Student ID No. \_\_\_\_\_

**RADIOGRAPHY PROGRAM POINT COUNT WORKSHEET**

The following criteria is used for selecting the semi-finalists for the Skills Awareness Course

**MINIMUM REQUIREMENTS (see admission requirements for specifics)**  
 Overall College GPA of 2.5 (if applicable) (mandatory) \_\_\_\_\_  
 Meet minimum Placement Scores (mandatory) \_\_\_\_\_  
 High School or College Biology Course (mandatory) \_\_\_\_\_  
 PSB average composite score of 60% or better (mandatory) \_\_\_\_\_

PSY 150 General Psychology A (5 pts) \_\_\_\_\_  
 or B (3 pts) \_\_\_\_\_  
 SOC 210 Introduction to Sociology C (1 pt) \_\_\_\_\_  
 Humanities/Fine Arts Elective A (5 pts) \_\_\_\_\_  
 (suggested PHI 230 or HUM 115) B (3 pts) \_\_\_\_\_  
 C (1 pt) \_\_\_\_\_

**SECTION A: HIGH SCHOOL COURSES**

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

Note: Need CIS 110 or CIS 111 or computer competency exam offered in the Learning Lab (see special note on page 6 for more information). *No points awarded*

**SECTION B:**

Attended Program Information Session (10 pts) \_\_\_\_\_  
 GPA of 3.5 or higher at CFCC (min 12 cr.) (10 pts) \_\_\_\_\_  
 College Physics Course ("C" or better) + (10 pts) \_\_\_\_\_  
 College Chemistry Course ("C" or better) ++ (15 pts) \_\_\_\_\_  
 NAACLS accredited Phlebotomy program (5 pts) \_\_\_\_\_

**Total Points for Sections A, B & C** \_\_\_\_\_  
 (Maximum total for sections A, B & C = 105)

**SECTION D: PSB PROGRAM ENTRANCE EXAM**

**SECTION C: COLLEGE COURSES**

\*BIO 163 Basic Anatomy and Physiology A (30 pts) \_\_\_\_\_  
 B (20 pts) \_\_\_\_\_  
 C (10 pts) \_\_\_\_\_  
 or  
 \*BIO 168 Anatomy and Physiology I A (15 pts) \_\_\_\_\_  
 B (10pts) \_\_\_\_\_  
 and C (5pts) \_\_\_\_\_  
 \*BIO 169 Anatomy and Physiology II A (15 pts) \_\_\_\_\_  
 B (10pts) \_\_\_\_\_  
 C (5pts) \_\_\_\_\_

Percentile Score

Part I – Academic Aptitude Total (Verbal, Arithmetic & Non-Verbal) \_\_\_\_\_  
 Part II - Spelling \_\_\_\_\_  
 Part III - Reading Comprehension \_\_\_\_\_  
 Part IV - Natural Sciences \_\_\_\_\_  
 Part V - Vocational Adjustment Index \_\_\_\_\_  
 (Maximum total for section D = 693)

**\* Only the First attempt with a letter grade of "C" or better will be considered for the point count.**

**Average Composite %** \_\_\_\_\_  
 (Minimum of 60%)

MAT 110 or higher A (5 pts) \_\_\_\_\_  
 B (3 pts) \_\_\_\_\_  
 C (1 pt) \_\_\_\_\_

**SUMMATION OF POINT TOTALS**

*Student must be proficient in DMA 010 through DMA 050.*  
 ENG 111 Writing & Inquiry or Expository Writing A (5 pts) \_\_\_\_\_  
 B (3 pts) \_\_\_\_\_  
 C (1 pt) \_\_\_\_\_  
 COM 110 Intro to Communication or COM 120 Intro to Interpersonal Communications A (5 pts) \_\_\_\_\_  
 B (3 pts) \_\_\_\_\_  
 or C (1 pt) \_\_\_\_\_  
 COM 231 Public Speaking

Sections A, B, C \_\_\_\_\_  
 Section D \_\_\_\_\_  
**Grand Total** \_\_\_\_\_

+ only one Physics course can earn points toward the total ++ only one Chemistry course can earn points toward the total.