Radiography
Fall 2019 Deadline: March 28, 2019

***Admissions Information***
Radiography is a selective enrollment program beginning each fall. Resources such as clinical facilities and faculty, as well as approval standards, limit the number of applicants accepted to the program to 20 students for the fall. The Radiography program does not reserve seats for high school seniors. Radiography is a two-year, associate degree program and all applicants must meet minimum requirements to be considered for admission. Please note, however, that meeting minimum requirements does not guarantee admission.

When applicants have completed all of the minimum requirements, they must meet with the Admissions team for a Minimum Admissions Requirements (MAR) Review. This must be completed by the deadline date stated above. Qualified applicants will be ranked based on criteria listed in this packet. Applicants not admitted to the program must reapply, complete a new health information session and complete a new MAR Review if they wish to be considered for the following year’s class.

PHASE I: APPLICATION PROCESS

The following steps must be completed by March 28, 2019 for the fall 2019 program.

1. Complete the Residency Determination Service (RDS) and a Forsyth Tech application. If currently enrolled in classes at Forsyth Tech, complete the update form in the Admissions Office.

2. **Complete the online information session tutorial and return the electronic signature form.** This form can be returned to the Admissions Office via email, fax, mail, or hand delivery. If you prefer, you may choose to attend an in-person information session instead of completing the online tutorial.

3. Complete placement testing if required by the Admissions Office.

4. Have an official high school transcript or GED scores mailed to the Admissions Office.

5. Have the most recent official transcripts from **all colleges or schools** attended since high school sent to the Admissions Office. All transcripts are required regardless of their applicability to the program of study. Official transcripts must have the school seal or original signature and be in a sealed unopened envelope or submitted electronically from the school. Electronic transcripts should be sent to Admissions@forsythtech.edu. Official college transcripts should be received and evaluated before a MAR is conducted. Evaluation of transcripts typically takes 5-7 business days to complete once transcripts have been received. Please do NOT bring in transcripts the day you come to complete your MAR review.

6. Submit official copies of any Advanced Placement (AP) scores, if applicable. Official copies are required to assign points for ranking. Please note that this can take up to four to six weeks to be received due to the College Board request process.

NOTE: The information provided in this packet is subject to change annually.
PHASE II: MINIMUM ADMISSIONS REQUIREMENTS

1. Placement Testing- All applicants must demonstrate English, Reading and Math Competencies to be eligible for program consideration. There are 4 different ways that these competencies can be met:

   a. **Multiple Measures- high school GPA:**
      1. If applicant has graduated from a NC high school legally authorized to operate in the state AND
      2. Has graduated from high school within the past 5 years* AND
      3. Has eligible 4th level high school math course** AND
      4. Has a 2.6 or higher high school unweighted GPA*** THEN
      5. The placement testing minimum admissions requirement has been met.

   *If applicant is currently enrolled in high school, 1st semester senior grades/GPA must be submitted before the high school GPA can be used to waive placement testing by Multiple Measures. **The list of eligible 4th level math courses is available in the Admissions Office. ***High school transcript must clearly indicate that the GPA is unweighted.

   b. **SAT/ACT scores (valid for five years):** Specific scores will waive specific tests

      **For tests taken prior to March 2016:**
      SAT Critical Reading- 500+ OR SAT Writing- 500+ or ACT Reading- 22+ OR
      ACT English- 18+ will exempt applicants in Reading Comp. and Sentence Skills. SAT

      Math- 500+ OR ACT Math- 22+ will exempt applicants in Math skills.

      **For tests taken in March 2016 or later (note change in SAT scores):**
      SAT Evidence Based Reading and Writing- 480+ or ACT Reading- 22+ OR
      ACT English- 18+ will exempt applicants in Reading Comp. and Sentence Skills. SAT

      Math- 530+ OR ACT Math- 22+ will exempt applicants in Math skills.

   c. **Completion of College level English and/or Math**

      A grade of “C” or higher in a college level English composition or math course, that meets program MAR requirements, can waive placement testing once the transcript(s) has been received and reviewed.

   d. **Placement Test Scores (all scores are valid for 5 years):**

      | CPT        | COMPASS                  | ASSET         |
      |------------|--------------------------|---------------|
      | Sentence Skills 86 | Writing 70          | Writing Skills 41 |
      | Reading Comp. 80   | Reading 81           | Reading Skills 41 |
      | Arithmetic 55      | Pre-Algebra 47       | Numerical Skills 41 |
      | Algebra 55         | Algebra 46           | Elem. Algebra 41 |
The NC-DAP Math (DMA) and NC-DAP Reading and English (DRE) have replaced the above tests at all NC Community Colleges. The following are the required scores for those taking NC-DAP:

<table>
<thead>
<tr>
<th>NC-DAP DMA</th>
<th>NC-DAP DRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMA-010</td>
<td>DRE Composite Score 151 (or higher)</td>
</tr>
<tr>
<td>DMA-020</td>
<td>7 (or higher)</td>
</tr>
<tr>
<td>DMA-030</td>
<td>7 (or higher)</td>
</tr>
<tr>
<td>DMA-040</td>
<td>7 (or higher)</td>
</tr>
<tr>
<td>DMA-050</td>
<td>7 (or higher)</td>
</tr>
</tbody>
</table>

Applicants taking the NC-DAP for math must demonstrate mastery in DMA 010, 020, 030, 040, 050. Applicants taking the NC-DAP Reading Comprehension and Sentence Skills must demonstrate mastery in DRE 096, 097 and 098.

Applicants not meeting the required mastery or the minimum scores should enroll in the appropriate DRE/DMA course(s). All DRE/DMA courses must be completed by the deadline date. If DRE/DMA or DMS shell courses from other NC community colleges are being used to meet this requirement, submission of the placement test scores will also be required.

Forsyth Tech will be part of a new developmental education initiative beginning in Spring 2019. Applicants applying to the 2019 fall Radiography program will be held to the requirements listed above. These requirements will change for the 2020 program.

2. **Biology Competency**

Applicants must have completed a high school biology course. If the course was not completed at the high school level, an applicant must complete the course at the college level. There is no age limitation on the high school or college level course.

3. **No “D” or “F” Policy**

This policy is in place to maintain the integrity of our Radiography program and all Radiography applicants are held to this standard. There are NO exceptions.

Applicants must earn a grade of “C” or higher in all general education courses attempted to become eligible for the program. This policy applies to courses taken at Forsyth Tech as well as equivalent courses completed at outside colleges or universities. **Applicants with a “D” or “F” in a related course (listed on pg. 5) as of the stated deadline will not be eligible to complete a MAR review for the Radiography program.** If the grades of “D” or “F” are earned after acceptance to the program, the course must be repeated and a “C” or higher earned before the student will be allowed to enroll in the program. Failure to remove the grade of “D” or “F” will result in the loss of admission to the Radiography program.

Please note: If you have a D or F in a related course and you have not completed the replacement course by the deadline then you are **NOT** eligible to compete for the 2019 program.
PHASE III: MINIMUM ADMISSIONS REQUIREMENTS (MAR) REVIEW

After completion of Phase I and II, applicants are eligible to meet with an Admissions Counselor to complete the Minimum Admissions Requirements (MAR) Review. Applicants who wish to be considered for the fall 2019 program must complete the MAR Review between the dates of September 4, 2018 and the deadline of March 28, 2019. Applicants for the fall 2019 program will not be considered for admission until this step is completed. Please do NOT bring in college transcripts the day you come to complete your MAR review, as the Admissions Office is not the office responsible for transcript evaluations.

Due to new state regulations regarding residency, applicants are strongly encouraged to complete both RDS and the online application prior to coming in to complete the MAR Review. It may not be possible to complete both steps at the time of MAR. This is of particular note to applicants applying close to the deadline.

The Admissions Office hours for the MAR Review are 8:00 a.m. – 6:00 p.m. Monday through Thursday. The review is done on a walk-in basis and no appointment is necessary. Please note that only one counselor is available after 5:00 p.m. The Admissions Office is located in the Robert Strickland Center (formerly Oak Grove Center), Room 2361.

When can the MAR Review be completed?

Fall 2019 Applicants

<table>
<thead>
<tr>
<th>If you are applying for fall 2019 and have completed all of your related classes or will be taking classes during the summer semester only, you can complete your MAR:</th>
<th>If you are applying for fall 2018 and are taking any curriculum classes during the fall semester, you can complete your MAR:</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 4 - March 28*</td>
<td>January 22 - March 28*</td>
</tr>
</tbody>
</table>

*MAR reviews will not be conducted on October 8 - 12, November 12, November 19 - 23, December 17 - January 18, January 21, February 18 – 22 and March 18-22.

Reminder: MAR reviews will not be conducted on Fridays.
RANKING PROCESS

After completion of Phase I and II, applicants who complete a MAR Review are ranked using a point system. As this is a selective enrollment program, it is in the student’s best interest to achieve as many ranking points as possible. The components of the ranking system include the following items:

1. Related Courses

Points are awarded for specific course grades completed by the deadline. Grade points are valued as follows: A= 4 points, B= 3 points and C= 2 points. These points are then multiplied by the credit hours for each course. For example, English 111 (3 credit hours) with a grade of “B” (3 points) gives a student 9 total points for that course. AP credit is based upon the individual scores as follows: 5=A=4 points, 4=B=3 points and 3=C=2 points. No AP credit is awarded for a score of 2 or lower.

Related academic courses and approved substitutions are listed below. Only courses completed by the deadline will be used for ranking. Courses must be completed with a “C” or higher.

<table>
<thead>
<tr>
<th>Related Course Titles- College Applicants Only</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>*BIO 163 or BIO 165 &amp; 166 or BIO 168 &amp; 169</td>
<td>5</td>
</tr>
<tr>
<td>ENG 111</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112 or ENG 114</td>
<td>3</td>
</tr>
<tr>
<td>PSY 118 or PSY 150</td>
<td>3</td>
</tr>
<tr>
<td>**MAT 143</td>
<td>3/4</td>
</tr>
<tr>
<td>Humanities/Fine Arts elective (HUM 115 preferred)</td>
<td>3</td>
</tr>
</tbody>
</table>

*To qualify for ranking points and transfer credit, BIO courses must satisfy the required semester hours and descriptions. Please note that BIO 165 & 166 must be completed at the same college or university to transfer. Applicants completing BIO 168 & 169 are not restricted to taking both anatomy courses at the same college or university. Since BIO 163 is the preferred curriculum course, students taking the two part sequence (BIO 168/169 or 165/166) should be aware that the two grades are averaged and multiplied by five credit hours to calculate an equivalent BIO point total.

Please note that if a course is substituted for points, it does not guarantee that it will count towards graduation. Accepted students must confirm the course substitution with their program department chair during their first semester in the program.

** MAT 115, MAT 140, MAT 161, and MAT 171 or higher can be used in lieu of MAT 143. Since MAT 143 is a 3-credit course, if a 3-credit College Algebra course is used, the grade will be multiplied by 3 hours. If the college math was 4 credit hours, like MAT 171, then the grade will be multiplied by 4 hours. Statistics courses will not count towards ranking points or transfer credit.
2. **Additional Points for College Applicants:** Must be submitted at time of MAR Review. Points will be awarded for the completion of the following. Please note these are **not** requirements for admission to the program. Appropriate documentation must be submitted for points to be awarded. **Points for college-level degrees and diplomas will be given for the highest credential earned. Students may not earn multiple points for multiple academic degrees.**

- 10 points  Completion of master’s degree or higher
- 8 points  Completion of an Allied Health related bachelor’s degree
- 6 points  Completion of a Non-Allied Health bachelor’s degree
- 6 points  Completion of an Allied Health related associate’s degree
- 4 points  Completion of a Non-Allied Health associate’s degree
- 4 points  Completion of an Allied Health related diploma
- 2 points  Completion of a Non-Allied Health diploma
- 6 points  Licensed Paramedic - (Must be valid and current)
- 5 points  Licensed EMT - (Must be valid and current)
- 6 points  CNA II - (Must be valid and current)
- 5 points  CNA I - (Must be valid and current)

3. **Additional Points for Radiography Work Experience:**

   *4 points  1 year or more Full-time experience working in a Radiology Department
   *2 points  6 months or more Part-time experience working in a Radiology Department

   * Must receive documentation from supervisor on facility letterhead verifying work experience.

Additional points will be given for the following courses that are **not part of the Radiography curriculum’s general education related courses listed on page 4.** A final grade of “B” or higher must be verified by an official college/university transcript and submitted by time of the MAR Review to receive points. Individual points (limited to one course per line) will only be awarded for the specific courses identified below (course substitutions are not permitted.)

- 2 points  ENG 115 or COM 120 or COM 231
- 1 point  CIS 110 or CIS 111 (Course must be less than 10 years old)
- 1 point  SPA 110
- 2 points  SPA 111
- 2 points  SPA 112

4. **Total Points for Ranking**

Adding together the grade points and related experience points will determine the applicant’s total points for ranking. Students with the highest point total will be accepted. In the event of a tie, the applicant with the higher Related Courses points will be ranked first. An alternate list will also be developed. Applicants not admitted to the program must reapply, complete a new health information session and complete a new MAR Review if they wish to be considered for the following year’s class.
Accepted student data from the previous 3 years

Please note that the data below is for informational purposes only! Points and criteria vary each year. It is in a student’s best interest to accumulate as many points as possible to be as competitive as possible.

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of qualified applicants</th>
<th>Point range of accepted students</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>51</td>
<td>80-96</td>
</tr>
<tr>
<td>2017</td>
<td>55</td>
<td>79.5-94</td>
</tr>
<tr>
<td>2016</td>
<td>63</td>
<td>79-88</td>
</tr>
</tbody>
</table>

Deferred Action Childhood Arrival (DACA) and Undocumented Students Policy

Current NCCCS policy allows DACA and undocumented applicants to enroll at Forsyth Tech at the out of state tuition cost. However, acceptance to the college does not guarantee acceptance to a specific program.

DACA students are eligible to apply to an Allied Health/Nursing program.

Undocumented students are not eligible for consideration to Allied Health or Nursing programs. According to North Carolina and Federal law, undocumented students are not eligible for North Carolina professional licensure.

This policy is subject to change without notice based upon federal and state regulations.

Medical Training Requirements

Applicants who are accepted to the Radiography program must successfully complete a NC state approved Nursing Assistant I (NA I) program by August 15, 2019. Since NA I is usually a 6 week-long course, accepted students must begin the course in time to complete it by the stated August 15, 2019 deadline. Possession of a higher-level certification such as Certified Nursing Assistant II (CNA II), Certified Medical Assistant (CMA), Emergency Medical Technician (EMT B or I), Paramedic, or Military Corpsman will also be accepted to meet this requirement.

Applicants who are accepted must also hold current American Heart Association Health Care Provider cardiopulmonary resuscitation (CPR) certification by August 15, 2019.

It is strongly recommended that you begin working on these certifications prior to acceptance to the Radiography program. Nursing Assistant I and CPR training courses fill up quickly. If you are unable to complete these requirements by the deadline set by the Radiography department after acceptance, you will lose your seat in the program.

Approved students must provide the appropriate documentation to the Radiography Program Coordinator’s office to verify the completion of these requirements by August 15, 2019. CNA I, EMT, and CPR certifications can be completed through Forsyth Tech’s Economic and Workforce Development - Education Division (336) 734-7023. CPR certification is included in the NA I course.

NOTE: The information provided in this packet is subject to change annually.

June 2018
The Associate Degree in Applied Science in Radiography (Radiologic Technology) signifies that the graduate is prepared for entry into the practice of Radiography. Therefore, the graduate must have both the knowledge and skills to function in a broad variety of situations and to render a wide spectrum of health related services. A prospective radiography candidate must demonstrate the physical and psychological ability to provide safe, competent patient care. Every prospective student must assess his or her ability prior to choosing radiography as a career. To understand the physical and psychological qualifications needed for successful radiographers, the technical standards have been listed below.

In the case of a qualified individual with a documented disability, appropriate and reasonable accommodations will be made unless to do so would fundamentally alter the essential training elements, cause undue hardship, or produce a direct threat to the safety of patient or student.

Students must certify the ability to meet the functional abilities of the profession by a signed statement in the beginning of the program.

Candidates for the degree must have a variety of abilities and skills in the areas of:

A. Observation
B. Communications
C. Motor and Function
D. Intellect: Conceptual, Integrative, and Quantitative
E. Behavior and Social Skills

Technical compensation (i.e.: eyeglasses, hearing aids) can be made for some disabilities in certain areas; however, a candidate must be able to perform in a reasonably independent manner.

A. Observation: abilities required of a candidate include sight sufficient to:

1. Skillfully use precision instruments such as microscopes, oscilloscopes, gauges, control panels, and other electronic and digital equipment.
2. Observe and evaluate (i.e.: patient’s body habitus, image receptor sizes and selection of appropriate radiographic exposure factors).
3. Observe the results of displayed images on monitors or view boxes (i.e.: image analysis, differentiate shades of gray).
4. Observe the results of certain stimuli (i.e.: medication reaction).
5. Observe changes in equipment operation (i.e.: warnings).
6. Safely work in dimly lit rooms.

The senses of vision, smell and hearing are necessary for a candidate to effectively function in the Radiography Program.

B. Communication Skills: required by candidate include the ability to speak, hear, and observe patients in order to:

1. Elicit information and cooperation (i.e.: obtaining patient history, giving breathing instructions).
2. Describe changes in mood, activity, and posture.
3. Perceive nonverbal communication (i.e.: pain, lack of understanding).
4. Recognize and report critical patient information to other caregivers.
5. Hear normal speaking level sounds, auscultatory sounds, and auditory alarms (i.e.: equipment, monitors, fire alarms, call bells).
A candidate must be able to communicate effectively and sensitively with patients including not only speech and hearing but reading, writing, and electronic forms. A candidate must be able to communicate effectively and efficiently in oral and written form with members of the health care team.

C. Motor and Function Abilities: required of a candidate include gross and fine muscular movements, equilibrium, strength, and functional use of the senses of touch and vision for the safe handling of patients, self and equipment in order to:

1. Elicit information from patients by palpation, auscultation, percussion, testing muscle strength and function, penetration of the skin, and other diagnostic maneuvers.
2. Safely perform diagnostic, therapeutic procedures and/or laboratory procedures.
3. Provide other patient services and patient associated services.
4. Safely lift, manipulate, and use equipment.

A candidate must have these abilities to provide safe care for patients in various states of mobility and awareness.

D. Intellectual: Conceptual, Integrated, and Quantitative Abilities: required for a candidate include measurement, calculation, reasoning, analysis, and synthesis to:

1. Solve problems (i.e.: mathematical computation).
2. Comprehend three-dimensional relationships (i.e.: anatomical relations)
3. Understand the spatial relationship of structures.
4. Critical Thinking/ability sufficient for clinical judgement (i.e.: modification of radiographic procedures and/or technical factors to accommodate patient age/or condition.

A candidate must have these abilities to accurately calculate radiographic technique to produce quality radiographs.

E. Behavioral and Social Skills: required of a candidate:

1. Allow mature, sensitive and effective relationships with patients, clients, and fellow workers (interpersonal skills).
2. Tolerate physically taxing workloads.
3. Function effectively under stress.
4. Adapt to changing environments (i.e.: flexible schedules).
5. Display flexibility and ability to function during uncertainty inherent in health care (i.e.: emergency conditions).
6. Display:
   a. Compassion
   b. Empathy
   c. Integrity
   d. Concern for others
   e. Interest and motivation

A candidate must have these abilities to provide empathetic support to patients where quality care is dependent on a team approach.

All of the above abilities, skills, and knowledge in a candidate will be continually tested and evaluated during the educational process of this program.

Revised May 2018