Radiation Therapy
Fall 2019 Deadline: March 28, 2019

***Admissions Information***

Radiation Therapy 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 8 students for the fall. One seat is reserved for a 2019 high school graduate. Currently enrolled high school applicants will only compete for the seat with other high school applicants. Radiation Therapy 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 75 | 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>
<tr>
<td>DMA-060</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, 060, 070 and 080. 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 Radiation Therapy 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 Radiation Therapy program and all Radiation Therapy applicants are held to this standard. There are NO exceptions.

Applicants must earn a grade of “C” or better 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 be considered for admission to the Radiation Therapy 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 Radiation Therapy 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.
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 encourage to complete both RDS and the online application prior to coming in to complete the MAR. 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?

<table>
<thead>
<tr>
<th>Fall 2019 Applicants</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>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:</td>
<td>If you are applying for fall 2019 and are taking any curriculum classes during the fall semester, you can complete your MAR:</td>
</tr>
<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 are not 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. There are no age limitations for BIO 163, BIO 165/166 or BIO 168/169. Please note: if a course is repeated, the most recent grade earned will be used in the ranking.

   **Related Course Titles**

   **College Applicants Only**

   *BIO 163 or BIO 165 & 166 or BIO 168 & 169 5
   ENG 111 3
   ENG 115 or COM 110 or COM 120 or COM 231 3
   PSY 150 or PSY 118 3
   **MAT 171 or Higher Level Calculus 4/3
   Humanities/Fine Arts Elective 3

   *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.

   ** Since MAT 171 is a 4 credit course, if a 3 credit College Algebra course is used, the grade will be multiplied by 3 hours. If the College Algebra was 4 credit hours, then the grade will be multiplied by 4 hours. Statistics courses will not count towards ranking points or transfer credit.

   Please note if a course (ex. College Algebra/MAT 161) is substituted for points, it does not guarantee that the course will count towards graduation. Accepted students must confirm the course substitution with their program department chair during their first semester in the program.
PHASE III (CONTINUED): MAR REVIEW RANKING PROCESS

All 2019 High School (HS) graduates will be ranked only using the overall weighted GPA and
grades in specific high school courses. Grade points are valued as follows: Honors/AP courses – A=
5 pts., B= 4 pts., C= 3 pts. Standard courses – A= 4 pts., B= 3 pts., C=2 pts. High school courses will
only be considered for points if the applicant is a 2018 HS graduate.

2018 HS Graduates Only

Overall Weighted GPA
Algebra II
Anatomy/Physiology
Biology
Chemistry
Health Science/Occupations/Medical Careers
Physics

2. Additional Points for College Applicants: Must be submitted at time of MAR Review. (Not
applicable to 2019 HS Graduates)

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 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. **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 4 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>28</td>
<td>81-92</td>
</tr>
<tr>
<td>2017</td>
<td>20</td>
<td>77-88</td>
</tr>
<tr>
<td>2016</td>
<td>24</td>
<td>77-83</td>
</tr>
<tr>
<td>2015</td>
<td>12</td>
<td>57-85</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.

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

June 2018
The Associate Degree in Applied Science in Radiation Therapy Technology signifies that the graduate is prepared for entry into the practice of Radiation Therapy. 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.

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. **Intelect: Conceptual, Integrative, and Quantitative.**
E. **Behavioral and Social Skills.**

Technical compensation (ie: eyeglasses, hearing aides) can be made for some handicaps in certain areas but a candidate must be able to perform in a reasonably independent manner.

1) **Observation:** abilities required of a candidate include sight sufficient to:

   a) Skillfully use precision instruments such as microscopes, oscilloscopes, gauges, control panels, and other electronic and digital equipment in a dimly lit room.
   b) Observe and evaluate (i.e.: patient gait, skin changes, chest sounds).
   c) Observe the results of treatment (i.e.: skin changes).
   d) Observe the results of certain stimuli (i.e.: medication reaction).
   e) Observe changes in equipment operation (i.e.: smell overheating).

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

2) **Communication Skills:** required by candidate include the ability to speak, hear, and observe patients in order to:

   a) Elicit information (ie: questioning of patient).
   b) Describe changes in mood, activity, and posture.
   c) Perceive nonverbal communication.

   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.
3) **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:

   a) Elicit information from patients by palpation, auscultation, percussion, testing muscle strength and function, penetration of the skin, and other diagnostic maneuvers.
   b) Safely perform therapeutic procedures and/or laboratory procedures.
   c) Provide other patient services and patient associated services.
   d) 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.

4) **Intellectual: Conceptual, Integrated and Quantitative Abilities**: required of a candidate include measurement, calculation, reasoning, analysis, and synthesis to:

   a) Solve problems (i.e.: mathematical computation).
   b) Comprehend three dimensional relationships (i.e.: anatomical relations).
   c) Understand the spatial relationship of structures.

   A candidate must have these abilities to accurately calculate the amount of radiation to be delivered to the patient.

5) **Behavioral and Social Skills**: required of a candidate:

   a) Allow mature, sensitive and effective relationships with patients, clients, and fellow workers (interpersonal skills).
   b) Tolerate physically taxing workloads.
   c) Function effectively under stress.
   d) Adapt to changing environments (i.e.: flexible schedules).
   e) Display flexibility and ability to function during uncertainty inherent in health care (i.e.: emergency conditions).
   f) 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.