Nuclear Medicine Technology Program Checklist

The following items must be completed to apply to the Nuclear Medicine Technology Program.

☐ **Complete Forsyth Tech Admissions Application.**

Submit a FT Admissions Application if it's been more than 1 year since you applied

☐ **Submit Transcripts.**

- High School or GED
- All Colleges where program related courses were completed

☐ **Minimum Requirements English, Math & Biology**

- Must be ready to take ENG-111 and MAT-143 without a co-requisite course, by having completed past ENG and MAT courses, High School unweighted GPA 2.5 or higher, test scores, associate or bachelor's degree.
- Biology and Chemistry Competency

☐ **Complete All Related Courses**

The following courses are the related classes, and these are not required to be completed before you apply, but they are what make you competitive:

BIO 163 or BIO 168, BIO 169, ENG 111, PSY 150, MAT 171, PHY110/110A, CHM 131/131A, Humanities & Fine Art

☐ **Complete the TEAS Exam**

- Scores expire 2 years from date taken and must remain valid through the deadline.
  Minimum score requirement 65%

☐ **Submit the MAR Application (March 3, 2025, until May 16, 2025)**

See page 4 for MAR application

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☐ **CNA I Certified Nursing Assistant**

Students are required to complete the Nursing Assistant I Course and be listed on the North Carolina Nurse Aide I Registry from an Approved North Carolina NAI program. CNA II, CMA, EMT, Paramedic, or Military Corpsman will be accepted.

☐ **High School Senior Applicant (Course requirements on page 6)**

See page 4 for MAR application

Version 1.0 (7/1/2024)

Nuclear Medicine Technology

Fall 2025 Deadline: May 16, 2025

Nuclear Medicine Technology (NMT) is a limited enrollment 2-year degree program.

The number of applicants admitted to the NMT program is **11 students** each year. **Two seats are reserved for 2025 high school graduates.** Currently enrolled high school applicants will only compete for seats with other high school applicants.
It is important that you thoroughly read the instructions and if you have any questions, please call Dr. Jawahar "Jay" Jesrani, Program Coordinator, NMT program, at 336- 734-7604, or email at jjesrani@forsythtech.edu.

All applicants must meet minimum requirements to be eligible to apply. **Please note that meeting minimum requirements does not guarantee admission.**

Special Note: If you are just starting to take classes as an **associate in arts Pre-Health Tech** student before entering the full program, please look at the Related Courses on **page 5** for a list of general education classes that can give you a head start on your degree. But keep in mind that these classes are **not required** before entering the program!

1. **Complete an application to Forsyth Tech**

   New and Former students (if it's been more than 1 year since you applied or enrolled in classes) must complete the online application at https://www.forsythtech.edu/apply-ft/

   Complete NC Residency at https://www.ncresidency.org

   Currently enrolled students do not need to submit a new application.

2. **Submit Official Transcript**

   Electronic transcripts can be sent through a secure service to admissions@forsythtech.edu

   - or paper transcripts can be mailed to Forsyth Technical Community College Attn: Admissions 2100 Silas Creek Parkway Winston Salem, NC 27103-5197

   -or hand-delivered in a **sealed** envelope to the Admissions and Records Office on the main campus

   We must have:

   - Official college transcripts where related classes were taken. Only undergraduate classes through bachelor's degrees; we do not need graduate-level transcripts.
   - Official AP scores from the College Board if you want credit for applicable classes (credits showing on other college transcripts do not count).
   - Submitting your graduating High School (or GED) transcript is recommended, or you may miss placement requirements.

3. Check that you meet the minimum readiness requirements

*****CONFIRM with your advisor if you are unsure if you meet the requirements*****

All Health Program applicants are required to demonstrate English and Mathematics college readiness. You must be able to demonstrate that you have achieved the appropriate readiness levels in both areas by **at least one** of the following methods (**If you are unsure whether you meet either of these requirements, it is YOUR responsibility to speak with your assigned advisor PRIOR TO submitting your MAR application):**

COLLEGE ENGLISH READINESS	COLLEGE MATHEMATICS READINESS
❒ **Option 1:** You have completed or received transfer credit for ENG 111.	❒ **Option 1:** You have completed or received transfer credit for one of the following -- MAT 143, MAT 152, MAT 171 (or a higher-level math).
❒ **Option 2:** You have completed or received waiver credit for all the following: DRE 096, DRE 097, DRE 098	❒ **Option 2:** You have completed or received waiver credit for all the following: DMA 010, DMA 020, DMA 030, DMA 040, and DMA 050
❒ **Option 3:** You have completed or received waiver credit for ENG 002 with a minimum grade of **P2**	❒ **Option 3:** You have completed or received waiver credit for MAT 003 with a minimum grade of **P2**
❒ **Option 4:** You have completed or received waiver credit for ENG 011 or are currently enrolled in ENG 111/011	❒ **Option 4:** You have completed or received waiver credit for MAT 043 or are currently enrolled in MAT 143/043
❒ **Option 5:** An earned Associate or Bachelor's degree from a regionally accredited institution	❒ **Option 5:** An earned associate or bachelor's degree from a regionally accredited institution
❒ **Option 6:** Completion of placement test and achievement of appropriate scores. If you took the placement test elsewhere, you MUST submit those scores to Forsyth Tech Admissions & Records	❒ **Option 6:** Completion of placement test and achievement of appropriate scores. If you took the placement test elsewhere, you MUST submit those scores to Forsyth Tech Admissions & Records
❒ **Option 7:** Graduate of a US high school with a GPA of 2.5 or higher	❒ **Option 7:** Graduate of a US high school with a GPA of 2.5 or higher

Biology and Chemistry competency

There are two ways to demonstrate this:

- College-level course with a "C" or better
- High school-level course with a "D" or better

When we receive the MAR application, it will be reviewed to ensure you meet the minimum requirements, including transcripts, taking the TEAS test, and meeting the required score. If you do not meet these requirements, you will not be eligible and will not be placed into the applicant pool.

It is highly recommended that you complete all general education courses BEFORE applying to the program. This gives you the best chance to be competitive.

If applying to more than one program (you can apply to up to three programs at a time) be sure that you have checked the MAR packet for that program to ensure that you meet the minimum requirements and have taken the necessary related courses.

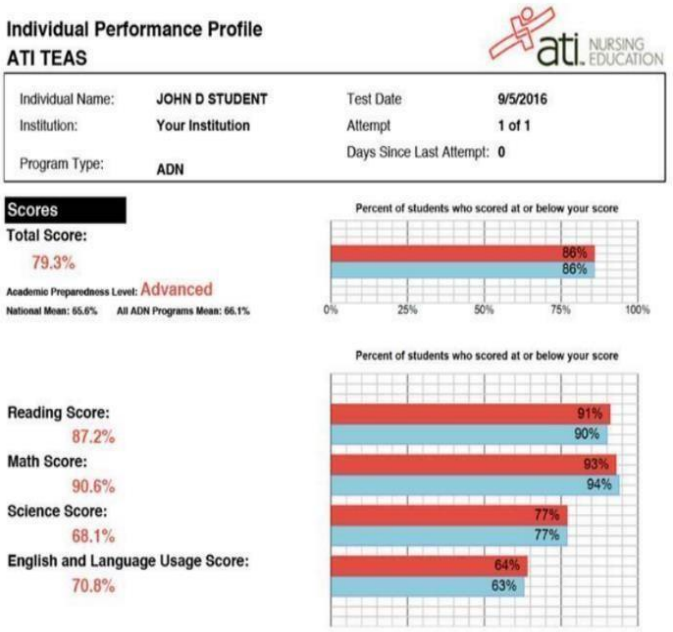
4. TEAS EXAM: Test of Essential Academic Skills

Click here to schedule your test:

Link to Schedule TEAS

You must submit the score report that shows scores for **ALL** sections of the test as well as the overall score. (*see picture*)

TEAS tests taken at Forsyth Tech are not automatically submitted. When filling out the MAR application, there will be a question asking you to upload your TEAS score report. This is a REQUIREMENT. You must attach a copy of your current TEAS score report to the MAR application. MAR applications will not be accepted without a valid TEAS score report.



5. Submit the MAR application

Access the online application here:

Nuclear Medicine MAR Application

Application is open from March 3, 2025, until May 16, 2025

High School ONLY application (see mandatory course requirements on page 6)

Nuclear Medicine High School MAR application

Application is open from March 3, 2025, until May 16, 2025

What to expect after submitting the application:

- Submitting the MAR application adds you to the MAR review list.
- Your paperwork will be emailed to you after your MAR application is reviewed. This can happen throughout the application process even up to two weeks after the deadline do **not expect to be notified immediately**.
- Check your **Forsyth Tech email and** keep your phone and address updated with the school. We will email your MAR application paperwork to your Forsyth Tech email.
- Within 6 weeks after the deadline, you will be notified of your status – admitted, alternate, or not admitted regardless of the decision.
- If you are admitted to the program, there will be instructions in your admission letter with requirements that apply to admitted students – **make sure to meet any of those deadlines/requirements or you can lose your seat in the program (see additional requirements for accepted students below).**
- If you are an alternate, we will contact you by phone or email if any seats open in the program.

6. Review additional requirements for accepted students and mandatory courses

If you are unable to complete these requirements by deadlines stated in MAR packet or by NMT program faculty, you will lose your seat in the program and will have to reapply for a future term. Applicants that are not able to meet the requirements by the deadline are encouraged to apply for a different admission cycle to allow time to complete the requirements.

MAR Ranking points are not awarded for completion of NA 1 class and CPR certifications.

Clinical Rotation Age Requirement

All students must be 18 years of age by May 1st of the year following admission due to clinical site age requirements.

Medical Training Requirements

Applicants who are **admitted** to the Nuclear Medicine Technology program must successfully complete a NC state approved Nursing Assistant I (NA I) program by **August 1st, 2025**. Possession of a higher-level certification such as Certified Nursing Assistant I or II (CNA I or II), Certified Medical Assistant (CMA), Emergency Medical Technician (EMT B or I), Paramedic or Military Corpsman will also be accepted to meet this requirement.

A successfully completed NC state approved high school course in Allied Health II (with clinical component) can serve as an equivalency for the NA I requirement for high school students. Applicants who are **admitted** must also hold **current** AHA Health Care Provider or American Red Cross cardiopulmonary resuscitation (CPR) certification by **August 1st, 2025.**

Admitted students must provide the appropriate documentation to the Nuclear Medicine Program Coordinator's office to verify the completion of these requirements by **August 1, 2025**. CNA I, EMT, and CPR certifications can be completed through Forsyth Tech's Economic and Workforce Development-Education Division (336-734- 7023). CPR is included in the NA I course.

Students are encouraged to complete Medical Training requirements prior to or as soon as possible after they receive notification of admission into the Nuclear Medicine Technology program. Students who are unable to complete these requirements by the stated deadline will lose their admission to the program. Availability of NA1 courses during the Summer before the deadline indicated, may be limited, and seats get filled quickly. Students do not need to sit for the state-level NA1 Test for program acceptance. Written documentation of program completion is sufficient.

After admission, the NMT Program communicates to students through their Forsyth Tech email address. It is recommended that students check their Forsyth Tech email daily. Important information regarding program requirements and mandatory NMT Orientation will be sent to the student's Forsyth Tech email address. Timely completion is needed to retain your seat in the program.

Pre-Health Tech:
Mandatory and General Education/Related Courses for Nuclear Medicine Technology

When students are admitted to the school and indicate **Nuclear Medicine Technology** as the program choice, students are accepted as an **associate in arts-Pre-Health Tech** student. While not fully in the program yet, as a Pre-Health Tech student

Can do two things to prepare for entering Nuclear Medicine Technology.

- If not already eligible for the program, it is possible to take courses that help meet the **minimum admissions requirements.** This would be the priority!

- If the admissions deadline has already passed, or you are beginning school in a different semester than when the program begins—for example, you are starting classes in fall 2024 ahead of the full Nuclear Medicine Technology program beginning in fall 2025—you can get a **head start** on the program's **general education/related courses.**

1. Mandatory Courses:

The following classes must be completed by the MAR application deadline:

* ENG 111
* MAT 171 or higher

*****This program reserves two seats for high school seniors. However, high school seniors must be dual enrolled and have completed ENG 111 and MAT 171 by the MAR application deadline to be considered for the program. *****

2. General education/Related Courses:

These are the general education/related courses for Nuclear Medicine Technology:

BIO 168 & 169 or 165 & 166
ENG 115 or COM 231
PSY 150 or PSY 118
*PHY 110/110A or higher
Humanities/Fine Arts Elective
CHM 131/131A or CHM 151

*Higher level courses are subject to approval for course substitution.

Please remember, though, that **these general education/related courses are NOT required before you begin the Nuclear Medicine Technology program!**

TEAS Total Score, Ranking and Selection

- Applicants must meet the required minimum 65% or higher **Total Score** on the TEAS to be eligible.
- This score will be used as part of the ranking process.
- In case of a tie, the applicant with the higher science score on the TEAS will be ranked higher.
- An alternate list will be maintained in ranking order, and alternates will only be admitted if space becomes available.
- Applicants who are not admitted must reapply for future consideration.

If you have met the **minimum admissions requirements—**the paperwork, English/Math Readiness, **mandatory** courses, TEAS test, Biology and Chemistry Competency requirements in this packet you are eligible to complete a MAR review and enter Nuclear Medicine Technology even if you haven't taken any of the related courses. You will be able to take them while you are in the program.

However, if you can begin work on these courses as a Pre-Health Tech student before you enter Nuclear Medicine Technology, taking them with the guidance of your advisor can help you reduce your course load once the full program begins.

Technical Standards for Nuclear Medicine Technology

Our program technical standards have been developed to help students understand nonacademic standards, skills, and performance requirements expected of a student to complete this curriculum. The associate degree in applied science in Nuclear Medicine Technology (NMT) signifies that the graduate is prepared for an entry-level position into the practice of Nuclear Medicine. 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. Students should possess the following minimal physical requirements to adequately perform NMT responsibilities.

If an accommodation is necessary to participate in the program, it is imperative to identify a reasonable accommodation to those students who qualify under the Americans with Disabilities Act (ADA). Reasonableness is determined by the Accessibility Resources and the program on a case-by-case basis utilizing the program technical standards. The accommodation needs to be in place prior to the start of the program, or it may delay your ability to start the program. It is the student's responsibility to contact Accessibility Resources and request accommodation.

Skills	Description	Specific Examples
Communication	Oral and written communication skills to communicate in English with accuracy, clarity, and efficiency with patients, their families, and other members of the healthcare team, including non- verbal communication, such as interpretation of facial expressions and body language.	• Communicate with clear dictation and in a concise manner to patients, visitors, and other healthcare professionals in various departments. • Read, type, and write appropriate instructions and documentations in patients' charts, notes, and medical records accurately, as per clinical policy. • Elicit information and cooperation (i.e.: obtaining patient history, giving patient prep instructions) • Perceive nonverbal communication (i.e.: pain, lack of understanding) • Recognize and report critical patient information to other health care workers
Critical Thinking/ Problem-Solving	Critical thinking and problem-solving skills sufficient for sound clinical judgment during the performance of nuclear medicine scans.	• Organize and accurately perform in proper sequence, and within a specified time, the steps required for nuclear medicine procedures. • Ability to remember and recall large amounts of information. • Ability to accurately read and transcribe illegible handwriting, seeking clarification when needed. • Ability to quickly assess patients' conditions and other emergent situations, determine appropriate courses of action, request assistance or delegate responsibilities to coworkers, and/or respond as needed. • Ability to solve error messages on equipment, operate equipment safely and transport patients safely. • Comprehend three-dimensional relationships (i.e.: anatomical relations) • Understand the spatial relationship of structures. Critical Thinking/ability sufficient for clinical judgement (i.e.: modification of procedures and/or technical factors to accommodate patient age/or condition)

Skills	Description	Specific Examples
Environmental Tolerance	Nuclear Medicine students may be exposed to communicable diseases and/or blood and body fluids, toxic substances, medical preparations, latex, and ionizing radiation. Students shall always use appropriate precautions.	• Deliver unbiased patient care. • Establish rapport with patients, healthcare workers, instructors, and peers. • Ability to cope in stressful situations calmly and respectfully, emergency situations, or in situations involving other personnel. • Accept constructive and professional criticism. • Follow all program, college, and clinical site policies. • Expected to always maintain confidentiality. Expected to adhere to the SNMMI NMT Code of Ethics and Rules of Ethics, as listed in current NMT Handbook
Hearing	Auditory ability sufficient for physical monitoring and assessment of patient health care needs and during performance of nuclear medicine procedures.	• Ability to understand, and respond appropriately to comments, questions, and instructions given in person, over the phone, or from a distance including those given when personnel are wearing surgical masks. • Ability to hear various equipment and background sounds during • equipment operations. • Hear normal speaking level sounds, auscultatory sounds, and auditory alarms (i.e.: equipment, monitors, fire alarms, call bells, emergency signals, and cries for help)

Skills	Description	Specific Examples
Motor Skills	Motor abilities required for nuclear medicine imaging includes gross and fine muscular movements, equilibrium, strength, and functional use of all combined senses for the safe handling of patients, self, and equipment.	• Regularly reach up to six (6) feet off the floor, bend, stoop or kneel. • Push, pull, or lift minimum of twenty (20) pounds of weight. • Transfer immobile patients safely from stretcher to scanner table with some assistance from other personnel, must be comfortable touching patients. • Push standard and oversized patient wheelchairs, as well as mobile (portable) equipment to and from various areas • Standing for extended periods of time with occasional sitting • Safely perform diagnostic, therapeutic procedures and/or laboratory procedures • Provide other patient services and patient associated services. • Safely lift, manipulate, and use equipment or supplies. • Manual dexterity for patient positioning and with accessory devices and equipment controls • Move within confined spaces such as imaging, treatment rooms and other health care areas. • Administer CPR and maintain current certification
Professional Attitudes and Interpersonal Skills	Present with professional appearance and demeanor: follow instructions and safety protocols and maintain a positive attitude. Demonstrate honesty and integrity beyond reproach. Possess interpersonal abilities sufficient to interact	• Allow mature, sensitive, and effective relationships with patients, healthcare workers, instructors, and peers • (interpersonal skills)

Professional Attitudes and Interpersonal Skills	Present with professional appearance and demeanor: follow instructions and safety protocols and maintain a positive attitude. Demonstrate honesty and integrity beyond reproach. Possess interpersonal abilities sufficient to interact with individuals, families, groups, etc. from a variety of social, emotional, cultural, and intellectual backgrounds.	• Allow mature, sensitive, and effective relationships with patients, healthcare workers, instructors, and peers (interpersonal skills) • Maintain all professional boundaries. • Display flexibility and adaptations while working with diverse populations. • Effectively work within a team and workgroups • Provide prompt and safe completion of all patient care responsibilities. • Exhibit ethical behaviors and exercise good judgement. • Display the following: Compassion Empathy Integrity Concern for others Interest and motivation
Smell	Olfactory ability sufficient to detect significant environmental and patient odors.	• Detect odors from patient (foul smelling drainage) • Detect burning and/or smoke
Technological	Adaptability and skills to utilize current electronic, digital, and medical technologies.	• Utilize keyboard or touchscreens for selection and inputting clinical data into consoles, computers, and charts. • Adapting to different technologies within the nuclear medicine field, to acquire and process patient • Studies

Vision/Observation	Visual ability sufficient for accurate observation and performance of nuclear medicine procedures in bright, normal, or dim lighting.	• Visually monitor patients. • View anatomy and appropriate imaging techniques on nuclear images displayed on computer screen, all within a low light environment. • Observe changes in equipment operation (i.e.: warnings) • Safely work in dimly lit rooms • Observe and evaluate appropriate acquisition and scanning protocols from print or electronically. • Observe the results of certain • Stimuli (i.e.: medication reaction, patient's skin color changes such as cyanosis or pallor)
Other	Adapting to Nuclear Medicine Program course and clinical schedules, including any unforeseen changes.	• Ability to work approximately 8 hours per day and/or varied hours several times a week. • Tolerate physically taxing and/ or fast-paced workloads. • Adapt to changing environments (i.e.: flexible schedules)
Comprehension and Retention/Multitasking	Complex subject matter in multiple didactic courses simultaneously	• Able to comprehend, retain, and apply complex nuclear medicine content over multiple semesters and simultaneously in multiple courses within the same semester.

This document is intended to serve as a guide regarding the physical, emotional, intellectual, and psychosocial expectations placed on a student. This document cannot include every conceivable action, task, ability, or behavior that may be expected of a student. Meeting these technical standards does not guarantee employment in this field upon graduation.

Ability to meet the program's technical standards does not guarantee a student's eligibility for any licensure, certification exam or successful completion of the degree program.