

Nuclear Medicine Technology Fall 2024 Deadline: May 10, 2024

Nuclear Medicine Technology is a two-year associate degree limited enrollment program with a new class of students beginning the fall of each year. The number of applicants admitted to the program is **11 students** each year. **Two seats are reserved for 2024 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 check with the Admissions Office or call Dr. Jawahar "Jay" Jesrani, Program Coordinator, NMT program, at 336-734-7604, or email at jjesrani@forsythtech.edu.

When applicants have completed all the minimum requirements, they must complete the online Nuclear Medicine MAR application (see step 5) by the deadline listed above.

Please note, however, that meeting minimum requirements does not guarantee admission.

Nuclear Medicine Technology (NMT) is a first-qualified, first-accepted curriculum. Therefore, the first 11 applicants to complete the MAR application process will be admitted to the program. Students who complete a MAR application after all 11 seats are filled will be added to an alternate list. While not guaranteed admission, alternates would have the opportunity to fill seats if any open later in the process.

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!

Required steps for the Nuclear Medicine Technology program application.

- 1. Complete an application to Forsyth Tech (if you are not a current student).
- 2. Check that you meet the minimum readiness levels.
- 3. Submit official transcripts.
- 4. Submit a copy of your TEAS score report with your MAR application (65% minimum, must not expire before application deadline).
- 5. Submit the MAR application (you may only apply to one (1) health program at a time).
- 6. Review additional requirements for accepted students.

Details for each step are outlined below, review carefully.

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 www.ncresidency.org

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

2. Check that you meet the minimum readiness levels.

CONFIRM with your advisor if you are not sure that 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 one of the following methods:

COLLEGE ENGLISH READINESS	COLLEGE MATHEMATICS READINESS
☐ Option 1: You have completed or received transfer credit for ENG 111. ☐ Option 2: You have completed or received	☐ Option 1 : You have completed or received transfer credit for <u>one</u> of the following MAT 171 (or a higher-level math).
waiver credit for <u>all</u> the following: DRE 096, DRE 097, DRE 098	☐ Option 2: You have completed or received waiver credit for <u>all</u> the following: DMA 010,
Option 3: You have completed or received waiver credit for ENG 002 with a minimum	DMA 020, DMA 030, DMA 040, DMA 060, DMA 070, DMA 080
grade of <u>P2.</u> ☐ Option 4: You have completed or received waiver credit for ENG 011 or are currently	☐ Option 3: You have completed or received waiver credit for MAT 003 with a minimum grade of P3.
enrolled in ENG 111/011 Option 5: An earned Associate or Bachelor's degree from a regionally accredited institution	☐ Option 4: You have completed or received waiver credit for MAT 071 or are currently enrolled in MAT 171/071
☐ Option 6: Completion of placement test and achievement of appropriate scores. If you took	☐ Option 5: An earned Associate or Bachelor's degree from a regionally accredited institution
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 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
GPA 01 2.5 01 Higher	☐ Option 7: Graduate of a US high school with a GPA of 2.5 or higher

С

Biology and Chemistry competency

There are two ways to demonstrate this:

- College-level courses in each subject area with a "C" or better
- High school-level course in each subject area with a "D" or better

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.

When we receive the MAR application it will be reviewed to make sure 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.

3. Submit official transcripts

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
- -emailed copies from you are NOT official

We must have:

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

Examples:

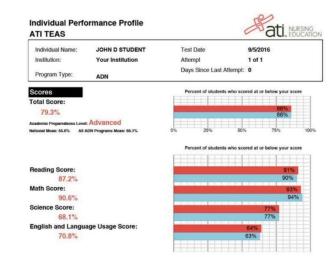
If you have transfer credit for all related classes, but still haven't sent in transcripts from another college you attended	→ We do not need further transcripts
If you have transfer credit for all related classes, but retook one or more and got a higher grade at another school	→ We need the official transcript with the retake if you want the additional points
If you took college classes that show on your high school transcript	→ You will need to submit official transcripts from the college to receive MAR points and transfer credit
If you realize after the deadline that you didn't send a needed transcript	→ It is too late to send additional transcripts. You will only be awarded MAR points and transfer credit for transcripts received by the deadline.

^{**}When we do your MAR review, it will be based on documents in your account at the time of the review.**

4. Submit a copy of your TEAS score report

Click here to schedule your test: <u>Link to Schedule TEAS</u>

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. MAR applications will not be accepted without a valid TEAS score report.

5. Submit the MAR application.

You can only apply to **one** health program at a time at Forsyth Tech

You must be checking your Forsyth Tech email for any notifications about the MAR

Access the online application here:

Nuclear Medicine MAR Application

Application is open from March 1, 2024, until May 10, 2024

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

Nuclear Medicine High School MAR application

Application is open from March 1, 2024, until May 10, 2024

What to expect after submitting the application:

- Submitting the MAR application adds you to the MAR review list. We will send the paperwork as soon as we are able to complete the review. **Please note that you will not get a notification when you submit it.**
- 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 so do not expect to be notified immediately.
- Check your <u>Forsyth Tech email</u> 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 16, 2024**. 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 16, 2024.**

Admitted students must provide the appropriate documentation to the Nuclear Medicine Program Coordinator's office to verify the completion of these requirements by **August 16, 2024**. 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. <u>Timely completion is needed to retain your seat in the program.</u>

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

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 a 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 2023 ahead of the full Nuclear Medicine Technology
 program beginning in fall 2024—you can get a head start on the program's general education/related courses.

1. Mandatory Courses:

The following classes <u>must</u> be completed by the MAR application deadline:

* 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

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

TEAS TOTAL SCORE

An applicant must test and meet the required minimum 65% or higher **Total Score** on the TEAS. This score will be used as part of the ranking process. Please see page 6 for more information about the TEAS test.

As long you have met the **minimum admissions requirements**—the paperwork, English/Math Readiness, **mandatory** courses, TEAS test, and Biology and Chemistry Competency requirements covered in steps 1 through 4 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.

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.

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

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

TEAS: A Guide to Student Success and FAQ

Student success before, during, and after the nuclear medicine technology program at Forsyth Tech is your goal as well as for the faculty and staff at our college. Success refers to academic achievement, personal and professional goal attainment, and well-being. Preparation and advisement are key components on the road to success for all students.

To better ensure your success, the nuclear medicine technology program faculty has adopted a program that has been demonstrated to assist you in meeting your goals. Part of the success program requirements is an assessment of essential academic skills. The assessment is known as Test of Essential Academic Skills (TEAS), a product of the Assessment Technologies Institute (ATI). The TEAS measures basic skills in the domains of reading, mathematics, science, and English language usage.

To help assist you in being successful on TEAS, the college offers ACA 085 – Improving Study Skills, a 1- credit hour course. Please note that only the online sections of ACA 085 are designed for TEAS prep. ACA 085 is offered as an 8-week, web-based (online sections in the 800 range only) course so you can complete the course anywhere you have internet access. ACA 085 provides an opportunity to review basic skills in the four domains of the TEAS and offers practice tests. Completion of ACA 085 does not grant eligibility to take the TEAS, nor does it grant points towards ranking.

TEAS study books are located on reserve for review in the following locations: Main Campus library (Ardmore building), Stokes County Office (Danbury), Grady Swisher Center (Kernersville), and Mazie Woodruff Center (Carver Road, Winston-Salem).

TEAS study manual and practice test is available for purchase from our college bookstore, or through ATI online at www.atitesting.com.

1. How do I schedule to take the TEAS at Forsyth Tech?

Click here to schedule your test:

TEAS Appointment link

If you are taking the TEAS onsite, you would go to the Cashier's Window (2nd floor of the Allman Center) and pay the test fee prior to testing. You can pay on the same day as the exam as long as it is before the test time. On your test day, you must show the receipt of your TEAS payment along with a photo ID (driver's license or student ID). If testing remotely, then you pay the fee 24 hours prior to the appointment to hold the appointment. You can pay either by phone or at the Cashier's Window.

2. How and when do I find my score?

At the completion of your computerized test, you will be given instructions on how to access your score. You will be provided a copy of your score at that time. You can also log into ATI and access it at any time.

3. Is the test computer-based?

Yes. A paper and pencil test is available only for students with documented disabilities requiring this accommodation.

4. What if I have a documented disability and require accommodations?

When you email or call the TEAS Coordinator to schedule your test, you must indicate that you have documented accommodations through Forsyth Tech's Accessibility Services. Any accommodations must be confirmed by Accessibility Services and the TEAS Coordinator must be notified prior to your test date. Questions regarding accommodations can be directed to Accessibility Services in Robert L. Strickland Center, Room 2401E. The TEAS Coordinator will provide test accommodations according to those guidelines confirmed by Accessibility Services.

5. Can I take the test more than once?

You will be allowed 3 attempts to take TEAS at Forsyth Tech. After the second attempt, you must wait 8 weeks to reschedule your third attempt. If you have not met the minimum score, or just want to increase your score, you are encouraged to enroll in an ACA 085 online course or remediate on your own. After the third attempt, you must wait one year from the date of your last test to be eligible to resume the TEAS testing process at Forsyth Tech. This limitation does not apply to outside testing.

6. How long is my score valid?

Two years from the date you took the test.

7. If I want to improve my score, can I repeat sections of the TEAS?

No, you must take the entire test each time.

8. What is the required score for admission into the Nuclear Medicine program?

Students must meet the required minimum 65% Total Score. This score will be recorded as part of the admissions ranking score.

9. What do I do if my score was below the 65% Total Score, or I want to increase my score in order to be more competitive for admission?

- Review your TEAS results to identify areas in which you need to improve your score.
- Enroll in an online section of ACA 085, a one-credit course designed to assist students to remediate specifically on areas of TEAS using a web-based tutorial program, PLATO. This program will allow you to review your basic skills and test each area for competency.
- Review the TEAS study manual located in the campus libraries or purchase your own copy.
- Purchase the online TEAS practice assessment and check your score prior to retesting. ATI's website is www.atitesting.com.

10. Will Forsyth Tech accept TEAS scores taken at another school?

Yes, if you choose to take it elsewhere, you must take the most recent TEAS version and have a copy of your

score report showing all four sections scores with the total score submitted to MAR@forsythtech.ed

July 2023

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 particular 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 accommodations.

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 nonverbal 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.:

Skills	Description	Specific Examples
		modification of procedures and/or technical factors to accommodate patient age/or condition)
Emotional/Behavioral	Emotional stability and appropriate behavior sufficient to accept responsibility/accountability for actions	 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
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.	 May care for patients with a communicable disease and shall provide all care using universal precautions. Possible exposure to chemicals, irritants, and latex and shall follow all safety and health protection guidelines. May be exposed to ionizing radiation and shall always follow radiation protection guidelines. Ability to work in a noisy environment with frequent interruptions. Ability to work in a cooler or cold and/or darker environment
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

Skills	Description	Specific Examples
		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)
Motor Skills	Motor abilities required for nuclear medicine imaging include 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
	Present with professional appearance and	Allow mature, sensitive, and
Professional Attitudes and Interpersonal Skills	demeanor; follow instructions and safety protocols and maintain a positive attitude. Demonstrate honesty and integrity beyond reproach.	effective relationships with patients, healthcare workers, instructors, and peers
	Possess interpersonal abilities sufficient to interact	(interpersonal skills)

Skills	Description	Specific Examples
	with individuals, families, groups, etc. from a variety of social, emotional, cultural, and intellectual backgrounds.	 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)

Skills	Description	Specific Examples
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.