



Forsyth Technical Community College
2100 Silas Creek Parkway
Winston-Salem, NC 27103-5197

**Computed Tomography and Magnetic Resonance Imaging Technology -
CT Imaging Technology Expanded Traditional Clinical Certificate**

Applicants must be an ARRT and/or NMTCB registered technologist or enrolled in the final semester of a qualifying education program.

Fall 2015 Deadline: March 26, 2015

Admissions Information

Computed Tomography and Magnetic Resonance Imaging Technology – The CT Imaging Technology Expanded Traditional Clinical Certificate is a selective enrollment, advanced specialty certificate program for technologists currently certified or registered in Radiography, Radiation Therapy, Nuclear Medicine, and students in the final semester of a qualifying primary modality educational program. The program curriculum follows the American Society of Radiologic Technologists’ Computed Tomography Curriculum. The Expanded Certificate is offered each fall.

This certificate is an entry level approach to CT and is intended for the seasoned technologist or new graduate. The Expanded Certificate is 32 credit hours divided into semester-specific sub certificates: Traditional Clinical I (C45200TA) offered in fall and Traditional Clinical II (C45200TB) offered in spring. Didactic courses are taught in a traditional classroom environment and clinical practicum courses are completed on the campuses of Forsyth Tech affiliates located in or near Winston-Salem, NC. Upon successful completion of all Expanded Certificate requirements, the student earns Traditional Clinical certificates I and II and documented verification of clinical experience which satisfies the Clinical Experience Requirements of the American Registry of Radiologic Technologists application eligibility for the Post Primary Certification Examination in CT.

Resources such as clinical facilities and faculty, as well as approval standards, limit the number of applicants accepted to **8 students** for the fall. A minimum of 4 seats are reserved for applicants currently enrolled in the final semester of a qualifying primary modality educational program. Currently enrolled applicants will only compete for seats with other currently enrolled applicants in the final semester of a qualifying primary modality educational program. If the minimum number of designated seats from either the seasoned technologist or currently enrolled groups is not filled, applicants from either group will be considered for any remaining seats. The CT Imaging Technology Traditional Clinical Certificate is an **advanced certificate** program and all applicants must meet minimum requirements to be considered for admission. **Please note, however, that meeting minimum requirements does not guarantee admission.**

Any program specific questions should be directed to Cindy Smith, Program Coordinator for CT, at 336-734-7560 or csmith@forsythtech.edu. Qualified applicants will be ranked based on criteria listed in this packet. Applicants not admitted to the program must reapply 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 26, 2015 for the fall 2015 program. Please note that you are **NOT** required to participate in an Allied Health Information Session.

- ___1. Complete the Forsyth Tech application.
- ___2. Have official transcripts from all colleges or schools attended since high school sent to the Admissions Office. Requesting Forsyth Tech transcripts is unnecessary. All hospital based transcripts must report the final cumulative GPA on a 1.0 – 4.0 scale. (Due to the difference in program structures, transfer credit from outside Computed Tomography programs is not available).

(Official transcripts must have the school seal or original signature and be in a sealed unopened envelope.)
- ___3. Submit a copy of current ARRT and/or NMTCB certification/registration card(s).

PHASE II: MINIMUM ADMISSIONS REQUIREMENTS

1. Primary Modality Educational Program Requirement

Applicants must have successfully completed a primary modality educational program accredited by a mechanism acceptable to American Registry of Radiologic Technologists (ARRT). Acceptable accreditation mechanisms are as follows:

- Joint Review Committee on Education in Radiologic Technology (JRCERT)
- Joint Review Committee on Educational Programs in Nuclear Medicine Technology (JRCNMT)
- Regional Institutional Accrediting Agencies
 - Middle States Commission on Higher Education
 - New England Association of Schools and Colleges
 - North Central Association of Colleges and Schools
 - Northwest Commission on Colleges and Universities
 - Southern Association of Colleges and Schools
 - Western Association of Schools and Colleges Accrediting Commission for Community and Junior Colleges and Senior College Commission
- Conjoint Accreditation Services of Canadian Medical Association
- Australian Institute of Radiography
- Accredited U.S. Military Program

2. Certification/Registration Requirement

Applicants must be certified or registered with the ARRT in:

- Radiography
- Radiation Therapy

Or certified or registered with the ARRT and/or NMTCB in:

- Nuclear Medicine

3. Grade Point Average (GPA) Requirement

Applicants must have a final, cumulative GPA of 3.0 or higher in the primary modality educational program.

4. Currently Enrolled Student Applicant Requirements

In addition to completing Phase I, currently enrolled applicants must meet the following criteria to be considered for admission:

- Enrolled in the final semester of a qualifying primary modality educational program
- Have a cumulative GPA of 3.0 or higher through Fall 2014
- Be recommended by the Program Coordinator or Department Chair of the educational program
 - A formal letter of recommendation should be addressed to:
Forsyth Tech
2100 Silas Creek Parkway
Winston Salem, NC 27103
ATTN: Heather Azzu, Admissions

Acceptance is contingent upon the student satisfying all program requirements:

- An applicant completing his or her Program of Study in **Spring Semester** must satisfy all program requirements by **May 31**.
- An applicant completing his or her Program of Study in **Summer Semester** must satisfy all program requirements by **August 15**.
 - Successfully completed a primary modality educational program accredited by a mechanism acceptable to American Registry of Radiologic Technologists (ARRT)
 - Be certified or registered by the ARRT and/or the NMTCB in one of the following supporting disciplines
 - Radiography
 - Nuclear Medicine
 - Radiation Therapy
 - Have a final cumulative GPA of 3.0 or higher in the primary modality educational program
 - Have a final official transcript from the primary modality college or school attended sent to the Admissions Office

Applicants who do not satisfy the program requirements by required dates will lose their seat in the program for Fall 2015.

5. Cardiopulmonary Resuscitation (CPR) Certification

Applicants who are accepted must also hold current American Health Association Health Care Provider cardiopulmonary resuscitation (CPR) certification by August 15, 2015. CPR certifications can be completed through Forsyth Tech's Economic and Workforce Development - Education Division (336-761-1002).

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 2014 program **must** complete the MAR Review between the dates of September 3, 2014 and the deadline of March 27, 2015. Applicants for the fall 2014 program will not be considered for admission until this step is completed. Currently enrolled student applicants may not complete a MAR Review until an official transcript reflecting Fall 2014 grades is on file in the Admissions Office.

The Admissions Office hours for the MAR Review are 8:00 a.m. – 6:00 p.m. Monday through Thursday and 8:00 a.m. – 2:00 p.m. Friday. The review is done on a walk-in basis and no appointment is necessary. The Admissions Office is located in the Allman Center room 123. **Please note that MAR reviews will not be conducted during registration and holidays (October 13-15, November 3-12, November 24-28, December 17- January 9, January 19 and February 23-27).**

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. Academic Performance: Primary Modality Educational Program GPA
Maximum Points: 20

3.75 - 4.00	20 Points
3.50 - 3.74	15 Points
3.25 - 3.49	10 Points
3.00 - 3.24	5 Points

2. Scaled ARRT and/or NMTCB Registry Score
Maximum Points: 20

94% and Up	20 Points
89% - 93%	15 Points
84% - 88%	10 Points
75% - 83%	5 Points

3. Additional Certifications (Must be current and valid)
Maximum points: 10

(R)	Radiography*	2 Points
(N)	Nuclear Medicine*	2 Points
(T)	Radiation Therapy*	2 Points
(MR)	MRI	2 Points
(S)	Sonography	2 Points
(M)	Mammography	2 Points
(QM)	Quality Management	2 Points
(BD)	Bone Densitometry	1 Point
(CI)	Cardiac-Interventional Radiography	2 Points
(VI)	Vascular-Interventional Radiography	2 Points
(CV)	Cardiovascular-Interventional Radiography	2 Points
(VS)	Vascular Sonography	2 Points
(BS)	Breast Sonography	2 Points
R.R.A	RA - Radiologist Assistant	2 Points

*Secondary certification only

4. Professional Experience: Full or Part Time Employment as a Certified or Registered Technologist in an eligible Primary Modality within 5 Years
Maximum Points: 20

More than 5 Years	20 Points
3 - 5 Years	15 Points
1 - 2 Years	10 Points
6 Months - 1 Year	5 Points

*The applicant must submit a signed and dated letter on facility letterhead, written by his or her **direct supervisor** verifying hire date, separation date if applicable, and a description of duties performed. The student is responsible for verifying the required information is provided **before** submitting the letter to Admissions. Professional Experience points will not be awarded unless **all** requested information is provided. **Falsified work experience terminates the application process and renders the applicant ineligible for admission to the CT Imaging Technology Program.***

Total Points for Ranking

Adding together the points from the areas above will determine the total score. Students with the highest point total will be accepted. In the event of a tie, the person with the highest actual primary modality educational program GPA will be the determining factor. Currently enrolled students are ranked using the cumulative GPA through Fall 2014. If an additional tie breaker is needed, the **completion** dates of Phase I will be the determining factor. An alternate list will also be developed. Alternates will only be accepted if a student originally accepted, declines their seat. Applicants not admitted to the program must reapply if they wish to be considered for the following year's class

CT Imaging Technology Program
Traditional Clinical Certificate
Technical Standards for Admission and Progression

Computed tomography (CT) technologists must demonstrate an understanding of human anatomy, human physiology, pathology, and medical terminology. They must maintain a high degree of accuracy in positioning and exposure technique. CT technologists must possess, utilize, and maintain knowledge about radiation safety. CT technologists prepare, administer, and document activities related to medications and radiation exposure in accordance with federal and state laws or lawful institutional policy.

CT technologists independently perform or assist the licensed independent practitioner in the completion of diagnostic, therapeutic, interventional, and fusion computed tomography procedures.

CT technologists are the primary liaison between patients, licensed independent practitioners, and other members of the support team. CT technologists must remain sensitive to the needs of the patient through good communication, patient assessment, patient monitoring, and patient care skills. As members of the health care team, CT technologists participate in quality improvement processes and continually assess their professional performance.

CT technologists think critically and use independent, professional, and ethical judgment in all aspects of their work. They engage in continuing education to include their area of practice to enhance patient care, radiation safety, public education, knowledge, and technical competence.

American Society of Radiology Technologists. (2013). Computed tomography practice standards. Retrieved October 21, 2013, from <https://www.asrt.org/main/standards-regulations/practice-standards/practice-standards>

The following technical standards are required to be successful in the Traditional Clinical Certificate:

Cognitive Skills

A. Critical thinking ability sufficient for safe clinical judgment

1. Example: Function safely and effectively in high stress situations
 2. Example: Maintain composure while managing multiple tasks simultaneously
 3. Example: Assess patient condition and needs
- B. Possess satisfactory intellectual and emotional functions to analyze information obtained during assessment to develop an action plan for patient care and completing the procedure
1. Example: Identify cause-effect relationships in clinical situations
 2. Example: Initiate proper emergency care protocols based on assessment data
- C. Exercise independent judgment and discretion in the technical performance of CT imaging
1. Example: Evaluate images to ascertain diagnostic quality
 2. Example: Select technical factors and accessory devices for procedures with consideration of patient size, age, and extent of disease

// Interpersonal Skills

- A. Possess adequate interpersonal skills sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds regardless of age and physical condition
 - 1. Example: Display patience, empathy, and concern for others
 - 2. Example: Deal with fear and hostility in a calm manner
 - 3. Example: Work with others in stressful situations

III. Communication Skills

- A. Communication abilities sufficient to interact with others using written, verbal, and nonverbal methods to articulate information in a prompt, coherent, and concise manner
 - 1. Example: Communicate patient instructions in a prompt, clear, and concise manner
 - 2. Example: Accurately document pertinent patient history and exam information
 - 3. Example: Document actions and responses when indicated
- B. Must be able to follow spontaneous verbal and written instructions
 - 1. Example: Gathers relevant information from the patient, medical record, significant others and health care providers

IV. Mobility Skills

- A. Physical abilities sufficient to move independently with a normal range of motion
 - 1. Example: Respond promptly to patient needs
 - 2. Example: Manipulate equipment
- B. Must be able to bend, crouch, squat, kneel, balance, reach above head, and twist at waist
- C. Must be able to stand, sit, or walk for extended periods
 - 1. Example: Respond promptly to patient needs
 - 2. Example: Manipulate equipment
 - 3. Example: Lift a minimum of 30 pounds
 - 4. Example: Exert a sustained force of 20 pounds
 - 5. Example: Push/pull equipment weighing up to 300 pounds
 - 6. Example: Participate in a team move of an incapacitated patient weighing 150 pounds, ensuring patient safety

V. Motor Skills

- A. Gross and fine motor abilities sufficient to safely and effectively perform job tasks and respond to patient needs
 - 1. Example: Ability to grasp, hold, grip, seize, turn, or otherwise manipulate equipment with hands

VI. Sensory Skills

- A. Hearing perception sufficient to monitor and assess patient needs and equipment operation
 - 1. Example: Hear a patient speaking in a normal tone without the use of hearing assistive devices

2. Example: Detect and evaluate monitor alarms and equipment alerts
- B. Visual acuity sufficient to observe and assess patient needs and equipment operation
1. Example: Observe and monitor patients
 2. Example: Evaluating images for technical quality
- C. Tactile ability sufficient to assess patient condition and operate equipment
1. Example: Perform palpation, tactile assessment, and manipulate anatomy to insure proper placement and alignment
 2. Example: Manipulate computer mouse, pressure sensitive response pads, dials, buttons, and switches