

# NUCLEAR MEDICINE TECHNOLOGY PROGRAM

## ADMISSIONS INFORMATION

### APPLICATION PERIOD: FALL 2020 CLASS

Deadline: November 1, 2019

Caldwell Community College & Technical Institute

2855 Hickory Boulevard

Hudson North Carolina 28638

#### **Program Information**

The Nuclear Medicine Technology curriculum provides the clinical and didactic experience necessary to prepare students to qualify as entry-level Nuclear Medicine Technologists.

Students will acquire the knowledge and skills necessary to properly perform clinical procedures. These skills include patient care, use of radioactive materials, operation of imaging and counting instrumentation, and laboratory procedures.

Graduates may be eligible to apply for certification/registration examinations given by the Nuclear Medicine Technology Certification Board and/or the American Registry of Radiologic Technologists. Individuals who wish to enter a program of nuclear medicine technology should, if possible, complete high school courses in algebra, biology, chemistry, and physics prior to entry.

Applicants may complete non-NMT courses prior to acceptance into the program.

*To insure the public health and safety of patients, our clinical affiliation sites require satisfactory personal criminal background checks and drug screening in order for the student to participate in clinical education.*

*Most disciplines of Health Sciences require registration, certification or licensure to practice in the health care field. Most examining boards require proof of good moral character to apply to take the registration, certification or licensure examination. If you have further questions, please contact the Nuclear Medicine Technology Certification Board at 404-315-1739 and the American Registry of Radiologic Technologists at 651-687-0048.*

**Applicants should be aware that travel in out-of-service areas might be required for clinical training and that students are required to have their radiation exposure monitored.** Semester fees for this service are due at registration and are not refundable.

#### **Admission Process**

Nuclear Medicine Technology is a two-year associate degree program offered on the Caldwell Campus in Hudson with a limited class size. Acceptance into the program is first-come, first-served based upon completion of ALL admissions requirements. Approximately 15 students are accepted into the program each year. Other eligible students remain on a waiting list for future admittance. **Students are notified of their acceptance during the month of November to begin the program the following August.**

**\*\*\*Refer to NOTIFICATION PROCEDURE section of this document for more details\*\*\***

## **Admission Requirements**

The following requirements must be completed before an applicant can be considered for acceptance to the program.

1. **CCC&TI application.**

Applications are available online at [www.cccti.edu](http://www.cccti.edu).

2. **Official documentation of high school graduation/high school equivalency.**

A high school graduate should request an official transcript to be sent to CCC&TI indicating date of graduation. This is required even if the applicant holds a college degree.

Applicants with a high school equivalency must provide official documentation to CCC&TI from the granting institution.

Reproduced copies of documents are not acceptable.

3. **Official transcripts of any college work.**

The applicant should request colleges to mail transcripts directly to CCC&TI.

If currently enrolled at another college, request a transcript now and another one at the completion of courses.

College transcripts must be received and evaluated in order to determine placement test exemption and/or awarding of college transfer credit.

4. **Gateway English and math readiness**

Applicant must be eligible to enter the program required gateway (college-level) English and math courses without a co-requisite or have successfully passed English and math transition courses as follows:

ENG 002 with a grade of P2

MAT 003 with a grade of P2

Contact one of the following in the Health Sciences Admissions Office for questions about English and math readiness:

Amy Huffman 828.726.2710 or [ahuffman@cccti.edu](mailto:ahuffman@cccti.edu)

Holly Freeman 828-726-2711 or [hfreeman@cccti.edu](mailto:hfreeman@cccti.edu)

5. **Information session.**

Complete a Nuclear Medicine Technology Information Session to receive current details regarding admission, academic, and program requirements.

Locate the NMT information session online at <https://www.cccti.edu/NMT/NMTInfoSession.asp>.

To receive credit for the NMT Information session, submit the following 2 items electronically to the Health Sciences Admissions Office ([ahuffman@cccti.edu](mailto:ahuffman@cccti.edu)):

1. **NMT Information Session Confirmation form**
2. **Signed acknowledgment of the criminal background check statement**

**Clinical site visit. (Optional)**

This visit is intended to familiarize the applicant with the actual day-to-day responsibility of a person employed in Nuclear Medicine.

Registered radiographers and radiography students are exempt from this visit.

The applicant should contact Ruthie Price at 828-726-2708 or [rprice@cccti.edu](mailto:rprice@cccti.edu) for an appointment at a clinical site used by CCC&TI.

## 6. **MAR (Minimum Admissions Requirements) Review**

Contact the Health Sciences Admissions Office to request the MAR Review as soon as ALL the above admissions requirements (steps 1-5) have been completed. During the MAR Review, the Health Sciences Admissions Office will review your file for completion. If all admissions requirements have been met, you will be assigned a consideration date which determines the order in which students are accepted. Request the MAR review by contacting one of the following:

Holly Freeman 828.726.2711 [hfreeman@cccti.edu](mailto:hfreeman@cccti.edu)  
Amy Huffman 828.726.2710 [ahuffman@cccti.edu](mailto:ahuffman@cccti.edu)

Watauga Campus: Dr. Kim Van Wie 828.297.2185 \*5206 [kvanwie@cccti.edu](mailto:kvanwie@cccti.edu)

**The NMT consideration date is given after completing ALL ADMISSIONS REQUIREMENTS.**

### **NOTIFICATION PROCEDURE**

The 15 students with the earliest consideration dates will be notified of acceptance to the 2020 Nuclear Medicine Technology Program in November of 2019 or until the class is filled. Additionally, other complete applicants will be notified of either “alternate” or “complete” status. All complete students must respond to their notification letter by the established deadline communicated within the letter to secure their position on the waiting list. Complete applicants may be considered (by order of consideration date) if an accepted student declines or is disqualified before the start of the program.

All other NMT applicants who were incomplete with admissions requirements at that time will receive notification of his/her admission status via CCC&TI student email accounts during November each year. The notification will require a student response to keep their NMT application active for the next application period.

Physical demands of a nuclear medicine technologist are potentially high. Technologists are on their feet much of the day and may lift or turn disabled patients requiring physical stamina. Patient safety will be jeopardized if students do not meet the following minimum physical standards. A student not meeting these standards will not be allowed to participate in the clinical components of the program and will not progress in the program. At minimum students must be able to:

- Visually differentiate subtle shades of gray/color.
- Have the ability to assist in the transferring and moving of patients (300+ pounds) to and from wheelchairs, carts, beds, and imaging tables.
- Have sufficient balance to independently carry out patient care activities safely, e.g. transferring patients, carrying equipment, and supplies.
- Ability to communicate orally and in writing to provide patient education and assure patient safety during imaging.
- Have sensory perception, good hearing, and visual acuity, e.g., interpreting pertinent sounds from background noise, hearing conversations with physicians and patients, using telephone, discerning audible signals on camera imaging equipment, and monitoring patients during procedures.
- Possess good communication (oral and written) and interpersonal skills, e.g., communication with patients, physicians, faculty, students, and co-workers. English should be the students' primary language.
- Have the ability to sit or stand with reaching, twisting, and stooping for 8 hours a day.
- Have the ability to lift and carry items weighing up to 25 pounds without assistance.

**After Acceptance** – At the time an applicant receives their acceptance notification letter, the following requirements will be expected. Failure to submit proper and complete documentation by the deadlines specified will result in forfeiture of their seat in the class.

- **Current Infant, Child, and Adult/AED CPR for health care provider certification.** One of the following is required: American Heart Association Basic Life Support Provider course OR American Red Cross Professional Rescuer or Healthcare Provider OR National Safety Council Healthcare Provider. A copy of the CPR certification should be submitted by the deadline established by the program director.
- **An accurate and satisfactory completed student medical form (health form)** which includes appropriate documentation of immunizations by the health care provider or county health department and physical exam results must be submitted to Certified Background Check Medical Document Management by the deadline stated in the acceptance letter. **Each student will be responsible for the cost of the electronic health form tracking.** Requirements include current TB (2 step PPD) skin test (within 12 months), mumps/measles/rubella blood titer or vaccine, proof of chicken pox immunity by vaccination or blood titer, influenza, and current immunizations for tetanus and diphtheria. The NMT student is also encouraged to obtain Hepatitis B immunizations. Otherwise, the decision to decline the Hepatitis B immunizations must be formally documented.
- **Criminal background checks/Drug screening/ other expectations:**
  1. Criminal background checks and/or drug screenings are required for the student to participate in the clinical component of each NMT course. **A signed acknowledgement statement must have been submitted to the Health Sciences Admissions office as an admissions requirement** (see NMT admissions requirement #5 – Information Session). All costs associated with criminal background checks and drug screenings are the responsibility of the student.
  2. The students will assume responsibility for all health care or emergency room costs they might incur during their clinical rotations.
  3. The student will assume the responsibility for travel to and from the clinical site and all associated costs.
  4. The student will complete a final evaluation of all clinical rotation sites, including faculty and educational experience.
- **Academic Progression Policy**

Due to the unique tasks required of the Technologist to produce diagnostic images and other patient care responsibilities, a high level of academic and practical competence is required of all students. Therefore, a grade of “D” or “F” in any general education coursework must be repeated and completed with a grade of “C” or above as outlined in the NMT curriculum sequence in order to progress to each subsequent semester of the program. Additionally, all NMT/PET-prefixed courses must be completed with a final grade of 80 or above.

If a student experiences academic problems that may prevent success in a course, it is their responsibility to seek academic advising. All non-Nuclear Medicine Technology courses must be completed by the end of the first spring semester. Students must complete 100% of the required competencies in order to receive a grade of 80 or better in NMT 221 – NMT Clinical Practice II course.

Request from the clinical site to remove a student from the site will also result in failure to progress in the clinical component and result in dismissal from the program. Request from the clinical site to remove a student from the site will also result in failure to progress in the clinical component and result in dismissal from the program.

Failure to maintain these program standards will result in student dismissal from the program. Refer to the NMT Program Manual for further details.

***Please note: Each applicant is responsible for:***

- *completing admission requirements,*
- *confirming receipt of letters and documents in the admissions office,*
- *keeping CCC and TI informed in writing of any personal information changes,*
- *keeping copies of all documentation submitted to CCC&TI.*

## Curriculum for Nuclear Medicine Technology (A45460)

<b>Fall Semester</b>		<b>Class</b>	<b>Lab</b>	<b>Credit</b>
BIO 168	Anatomy and Physiology I	3	3	4
CHM 131	Introduction to Chemistry	3	0	3
CHM 131A	Introduction to Chemistry Lab	0	3	1
<b>or</b>				
CHM 151	General Chemistry I			
ENG 111	Writing & Inquiry	3	0	3
MAT 152	Statistical Methods I	3	2	4
NMT 110	Introduction to Nuclear Medicine	2	0	2
ACA 122	College Transfer Success	0	2	1
<b>or</b>				
ACA 115	Success and Study Skills			
		<b>14</b>	<b>10</b>	<b>18</b>
<b>Spring Semester</b>				
COM 231	Public Speaking	3	0	3
<b>or</b>				
COM 120	Interpersonal Relations			
PSY 150	General Psychology	3	0	3
BIO 169	Anatomy and Physiology II	3	3	4
PHY 110	Conceptual Physics <b>and</b>	3	0	3
PHY 110A	Conceptual Physics Lab	0	2	1
NMT 134	Nuclear Pharmacy	2	0	2
ELECTIVE	Humanities/Fine Arts	<u>3</u>	<u>0</u>	<u>3</u>
		<b>17</b>	<b>5</b>	<b>16</b>
<b>Summer Semester</b>				
NMT 126	Nuclear Physics	2	0	2
NMT 132	Overview - Clinical Nuclear Medicine	<u>2</u>	<u>6</u>	<u>4</u>
		<b>4</b>	<b>6</b>	<b>6</b>
<b>Fall Semester</b>				
NMT 211	NMT Clinical Practicum I	0	21	7
NMT 212	Procedures for Nuclear Medicine I	2	0	2
NMT 215	Non-Imaging Inst.	1	0	2
NMT 218	Computers in Nuclear Medicine	2	0	2
PET 235	PET Cross Sectional Anatomy	<u>3</u>	<u>0</u>	<u>3</u>
		<b>8</b>	<b>21</b>	<b>16</b>
<b>Spring Semester</b>				
NMT 221	NMT Clinical Practicum II	0	21	7
NMT 222	Procedures for Nuclear Medicine II	2	0	2
NMT 225	Imaging Inst.	1	3	2
NMT 289	Nuclear Medicine Tech. Topics	2	3	3
NMT 217	Radiobiology and Protection	<u>2</u>	<u>0</u>	<u>2</u>
		<b>7</b>	<b>27</b>	<b>16</b>
	<b>TOTAL</b>	<b>50</b>	<b>69</b>	<b>72</b>

## Estimated NMT Program Costs

<b>Expense</b>	<b>Amount</b>	<b>Due</b>
Tuition*	\$76.00 per semester hour + \$35 per fall/spring semester activity fee + \$2 per course campus service fee	Each semester
Liability (Malpractice) Insurance	\$13.00	Summer semester
Accident Insurance	\$6.00	Summer semester
Criminal Background Check, Drug Screen, Immunization Tracker	\$135.00	Spring I semester (Background and drug screen may need to be repeated depending on clinical requirements.)
Graduation Fee	\$25.00	Spring II semester
Uniforms	\$175.00 + shoes	Spring I semester
Certification exam**	\$175.00	Spring II semester
Travel	Varies	Students are responsible for travel to and from school and clinical sites plus any parking fees Students are responsible for travel for field trips and community service projects.
Textbooks	\$150.00 + general education texts	Fall I semester
Textbooks	\$200.00 + general education texts	Spring I semester
Textbooks	\$500	Summer semester
Textbooks	\$250	Fall II semester
Textbooks	\$200	Spring II semester
Nuclear Medicine Math Software	\$50	Spring I semester
Radiation Monitoring	\$90	Summer, Fall II, Spring II semesters
CPR Certification	\$30	Spring I
Vaccinations/Physical	Varies	Spring I

\* May be subject to change without notice as determined by the General Assembly of North Carolina

\*\*Subject to change without notice as determined by NMTCB

All amounts are estimates and subject to change.

**For additional information, please contact:**

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*Since health program standards are mandated by accrediting and regulatory agencies, revisions to the above information may be necessary. Efforts will be made to keep changes to a minimum and finalized one year in advance of the starting date of the program; however, the college reserves the right to revise any part or section as necessary.*