

# NUCLEAR MEDICINE TECHNOLOGY PROGRAM

## ADMISSIONS INFORMATION



Caldwell Community College & Technical Institute  
2855 Hickory Boulevard  
Hudson North Carolina 28638

## ***Caldwell Community College and Technical Institute***

### **Nuclear Medicine Technology Program Admissions Information**

#### **Program Information**

The nuclear medicine technology curriculum prepares students to qualify as entry-level nuclear medicine technologists. The curriculum provides both the clinical and didactic experience necessary for individuals to become competent entry-level technologists. Students will acquire the knowledge base needed to understand clinical procedures and skills needed for the performance of clinical procedures. These skills include: patient care, utilization of radioactive materials, operation of imaging and counting instrumentation, and performance of laboratory procedures.

Graduates of the program should be eligible to apply for certification/registration examinations given by the Nuclear Medicine Technology Certification Board (NMTCB) and the American Registry of Radiologic Technologists (ARRT).

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.

**Nuclear Medicine Technology is a two-year program with a new class beginning each fall semester. There is a limited class size of fifteen students. After November 1, we will begin admitting applicants into the next year's class. Each applicant will be notified during fall semester regarding his/her status for the next year's class.**

#### **Admission Process**

Each applicant is tentatively admitted to the NMT program by the **Consideration Date** (the date that all admission requirements are met.) This is a chronological order of dates, "first-come, first-served" process.

## Admission Requirements

It is suggested that admission requirements are met in the following order.

1. **CCC and TI application.** The deadline for completing all admission requirements is **November 1st** each year.
  - Submit an application to Student Services.
  - Applications are available in Student Services or online at [www.cccti.edu](http://www.cccti.edu).
2. **Official documentation of high school graduation or GED completion.**
  - This is required even if the applicant holds a four-year degree.
  - A high school graduate should request his/her high school to send to CCC and TI an official transcript indicating date of graduation. If the applicant is still in high school, an official transcript should be sent now only if SAT/ACT scores are to be used to waive the college placement tests; otherwise, an official transcript should be submitted after graduation.
  - A GED or adult high school diploma graduate is exempt from sending a high school transcript, **but** an official copy of GED scores or official documentation of adult high school graduation must be sent to CCC and TI from the granting institution.
  - Reproduced copies of personal documents are not acceptable.
  - Transcript request forms are available in Student Services at CCC and TI.
3. **Official transcripts of any college work.**
  - The applicant should request colleges to mail transcripts directly to CCC and TI.
  - If currently enrolled at another college, he should request a transcript now and another one at the completion of his courses.
  - Transcript request forms are available in Student Services or may be downloaded from the college webpage, [www.cccti.edu](http://www.cccti.edu).
  - College transcripts must be received and evaluated in order to exempt the student from placement tests.
4. **Placement tests.**
  - Placement tests are given at the Testing Center at CCC&TI in Hudson or at the Watauga Campus. Please contact the Testing Centers directly for testing appointments.
  - Any applicant whose placement test scores fall below the required minimum for the NMT program must take the indicated developmental course(s). **An applicant must complete all required developmental courses before the NMT Consideration Date will be given.**
  - Minimal acceptable CPT scores for the NMT Program and the corresponding exempted developmental courses:

○ Reading	80	Developmental Courses: RED 080, RED 090
○ Sentence skills	86	ENG 080, ENG 090
○ Pt I math(arithmetic)	55	MAT 060
○ Pt II math (algebra)	75	MAT 070, MAT 080
  - Please see the Testing Center for comparable ASSET or COMPASS scores. Official test scores for these tests must be provided to the Testing Center if testing is done at another college on or after 2/1/07.
  - Placement tests may be waived for persons who have transferable college credit that shows proficiency in reading, English and math.

- Documentation must be provided if an applicant has college transfer credit; or has high SAT or ACT scores (SAT = 500+ each section of Writing and Critical Reading and 520+ of Math; OR ACT = 21+ each section) within 3 years of the application date; which would exempt an applicant from testing.

#### **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 [www.cccti.edu](http://www.cccti.edu). Click on “Attending CCC&TI,” then “Health Science,” then “Nuclear Medicine Technology.” View the Information Session by clicking the information session link.
- After viewing, click on the Information Session Confirmation Form link, complete the form with your information, and either e-mail or mail back to Amy Huffman, [ahuffman@cccti.edu](mailto:ahuffman@cccti.edu), in Health Science Admissions to receive credit for the NMT Information Session.

### **THE NMT CONSIDERATION DATE IS GIVEN WHEN REQUIREMENTS 1-5 ARE MET.**

#### **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 Caitlyn Council at 828-726-2200 \*6215 or [council@cccti.edu](mailto:council@cccti.edu) for an appointment at a clinical site used by CCC and TI.

#### **Physical examination.**

- After an applicant has been accepted into the nuclear medicine program, he/she is required to present documentation of physical and emotional health that indicates the applicant’s ability to provide safe care to the public.
- A completed *Student Medical Form for North Carolina Community College System Institutions* form **must be submitted on or before March 1st prior to beginning clinicals in the third semester.**
- The date of the actual physical examination **must be dated within the calendar year prior to the date of beginning clinicals.**
- Immunizations must be up to date and reflect standards for health care workers according to CDC guidelines.
- For additional information on physical demands, contact the Program Director.

#### **Infant, Child and Adult CPR certification**

- Accepted students must be currently certified in CPR through one of the following: American Heart Association: BLS Healthcare Provider Course **or** American Red Cross: Adult CPR and Infant /Child CPR, which **must be complete by May 1<sup>st</sup> prior to beginning clinicals in the third semester.**

### **Academic Progression Policy**

Students must demonstrate an acceptable level of competency by earning a grade of "C" or better in each core Nuclear Medicine Technology (NMT & PET) course. A student will not graduate from the Nuclear Medicine Technology Program with more than one "D" on his/her transcript in a program required course. 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 "C" 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.

**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 (i.e., CPR, physical exam).**

**Applications are accepted for only one two-year health sciences program at a time. However, an applicant may apply for the ophthalmic medical assistant diploma while also applying for a two-year health sciences program.**

**Curriculum for Nuclear Medicine Technology (A45460)**

<b>Fall Semester</b>		<b>Class</b>	<b>Lab</b>	<b>Clinical</b>	<b>Credit</b>
BIO 168	Anatomy and Physiology I	3	3	0	4
CHM 131	Introduction to Chemistry	3	0	0	3
CHM 131A	Introduction to Chemistry Lab	0	3	0	1
<b>or</b>					
CHM 151	General Chemistry I	3	3	0	4
ENG 111	Expository Writing	3	0	0	3
ENG 111A	Expository Writing Lab	0	2	0	1
MAT 161	College Algebra	3	0	0	3
<b>or</b>					
MAT 171	Precalculus Algebra <b>and</b>	3	0	0	3
MAT 171A	Precalculus Algebra Lab	0	2	0	1
NMT 110	Introduction to Nuclear Medicine	<u>2</u>	<u>0</u>	<u>0</u>	<u>2</u>
		<b>14</b>	<b>8/10</b>	<b>0</b>	<b>17/18</b>
<b>Spring Semester</b>					
COM 231	Public Speaking	3	0	0	3
<b>or</b>					
COM 120	Interpersonal Relations				
PSY 150	General Psychology	3	0	0	3
BIO 169	Anatomy and Physiology II	3	3	0	4
PHY 151	College Physics I	3	2	0	4
<b>or</b>					
PHY 110	Conceptual Physics <b>and</b>	3	0	0	3
PHY 110A	Conceptual Physics Lab	0	2	0	1
NMT 134	Nuclear Pharmacy	2	0	0	2
ELECTIVE	Humanities/Fine Arts	<u>3</u>	<u>0</u>	<u>0</u>	<u>3</u>
		<b>17</b>	<b>5</b>	<b>0</b>	<b>19</b>
<b>Summer Semester</b>					
NMT 126	Nuclear Physics	2	0	0	2
NMT 132	Overview - Clinical Nuclear Medicine	<u>2</u>	<u>0</u>	<u>6</u>	<u>4</u>

		<b>5</b>	<b>0</b>	<b>6</b>	<b>8</b>
<b>Fall Semester</b>					
NMT 211	NMT Clinical Practicum I	0	0	21	7
NMT 212	Procedures for Nuclear Medicine I	2	0	0	2
NMT 214	Radiobiology	2	0	0	2
NMT 215	Non-Imaging Inst.	1	3	0	2
NMT 218	Computers in Nuclear Medicine	<u>2</u>	<u>0</u>	<u>0</u>	<u>2</u>
		<b>7</b>	<b>3</b>	<b>21</b>	<b>15</b>

<b>Spring Semester</b>					
PET 235	PET Cross Sectional Anatomy	3	0	0	3
NMT 221	NMT Clinical Practicum II	0	0	21	7
NMT 222	Procedures for Nuclear Medicine II	2	0	0	2
NMT 225	Imaging Inst.	1	0	3	<u>2</u>
NMT 289	Nuclear Medicine Tech. Topics	<u>2</u>	<u>0</u>	<u>3</u>	<u>3</u>
		<b>8</b>	<b>0</b>	<b>27</b>	<b>17</b>
	<b>TOTAL</b>	<b>51</b>	<b>16</b>	<b>54</b>	<b>76/77</b>

**Tuition:** In-State \$66.50 per credit hour  
\$904.00 maximum tuition per semester

Out-of-State \$248.50 per credit hour  
\$3976.00 maximum tuition per semester

**Activity Fees:** \$7.00 per class, fall and spring semesters, up to a maximum of \$28.00.  
\$3.00 per class, summer semester, up to a maximum of \$9.00.

**Campus Services Fee:** \$2.00 per class, up to a maximum of \$10.00 per semester

**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.*