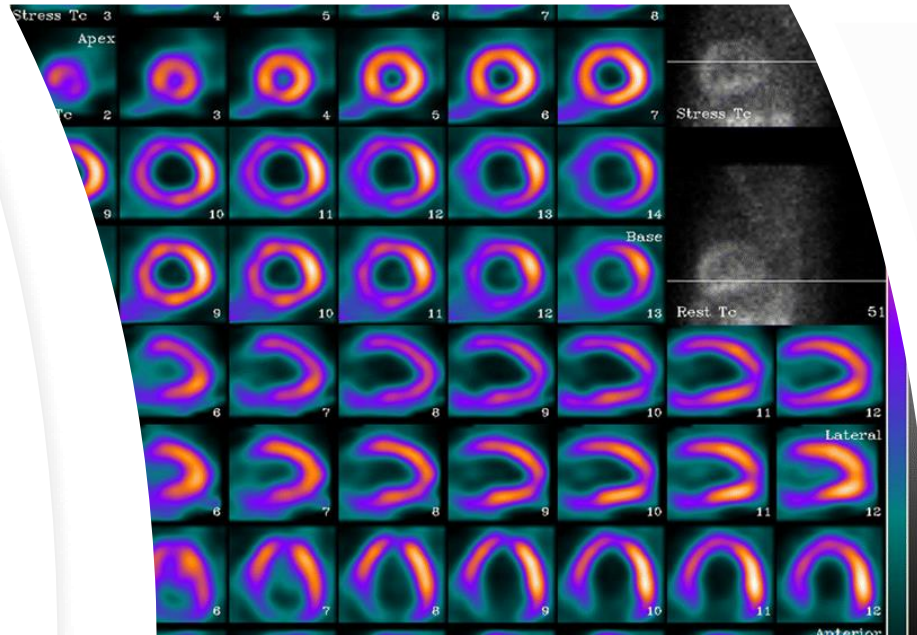




**Tarrant
County
College**®



**NUCLEAR MEDICINE
INFORMATION
SESSION**

NUCLEAR MEDICINE PROFESSION

Why choose Nuclear Medicine Technology?

- Enter a patient-oriented field where you can combine health sciences & advance imaging technology
- Work in a field where you will continually learn, use & apply research or evidence-based practices
- Be able to work in a variety of clinical settings

Nuclear Medicine Professionals:

- Prepare & administer radioactive drugs intravenously to image injuries or disease processes using specialized equipment—under direction of a physician
- Use of sophisticated camera imaging systems to create advanced digital images of human anatomy
- Explain the imaging procedure & support high quality patient care
- Follow safety protocols to protect patients & staff from unnecessary exposure to radiation

Explore the Professional Organization:

- [Society of Nuclear Medicine & Molecular Imaging \(SNMMI\)](#)

Accreditation

TCC is accredited by the Southern Association of Colleges and Schools

TCC Nuclear Medicine Technology A.A.S. Program is accredited by the [Joint Review Committee on Educational Programs in Nuclear Medicine Technology \(JRCNMT\)](#).

Graduate Achievement Data

Graduate achievement data is an indicator of program effectiveness, demonstrating the extent to which a program achieves its goals. The current report on graduate achievement data, identified by program, is available on the JRCNMT website by selecting the following link: [Graduate Achievement Report](#).

NUCLEAR
MEDICINE
TECHNOLOGY
PROGRAM
ACCREDITATION

PROGRAM SEATS, COSTS, AND AVERAGE SALARY INFORMATION

How many seats per application period?

The TCC Nuclear Medicine Technology program is approved to accept up to 19 students per application period. However, the maximum number depends on the availability of local clinical sites. Those students selected begin classes each Fall semester. Approximately 50 students apply each year.

Program Cost

Approximately \$5,363

This cost includes uniforms, clinical and on-boarding requirements, books, tuition and other miscellaneous costs.

PATIENT SAFETY AND WELFARE

ALL APPLICANTS MUST HAVE:

Visual acuity (with corrective lenses if needed) to:

- Identify cyanosis
- Observe absence of respiratory movement in patients
- See adverse skin reactions to treatments
- Read physician's orders
- Read very fine print on medication containers
- Visualize displays on monitors and equipment
- Evaluate images for diagnostic quality
- Discern differences in color

Physical ability to:

- Stand for prolonged periods of time
- Exert muscle force with endurance in performing repetitive movements
- Perform cardiopulmonary resuscitation (CPR)
- Transfer patients and objects of 50 pounds or more
- Perform treatment procedures using two hands
- Push patients and pieces of equipment from room to room
- Maneuver in limited spaces

Manual dexterity to:

- Use aseptic and sterile techniques
- Prepare needles, syringes and contrast media
- Manipulate, film, cassettes and equipment
- Move arms and legs quickly
- Keep hand and arm steady while moving other arm to manipulate machine or patient
- Adjust controls of equipment quickly and repeatedly
- Coordinate 2 or more limbs while sitting or standing
- Move fingers and hands precisely to manipulate equipment and/or patient position
- Perform coordinated movements while sitting or standing

Hearing ability (with auditory aids if needed) to:

- Understand the normal speaking voice without viewing the speaker's face
- Hear monitor alarms, emergency signals, call bells from patients, equipment timers and alarms
- Take/hear blood pressure
- Detect differences in sounds, pitch and loudness

SELECTION AND NOTIFICATION

When Will I Be Notified?

Approximately 3 to 4 weeks after the application deadline, the top 20 applicants are selected for an in-person interview.

Selection Into Program

Notification of the selected applicants are typically sent within 10 days after the interview.

Alternates

Remaining applicants from the Top 20 are designated as alternates.

HOW CAN I BE MORE COMPETITIVE?

Applicants with higher GPA's, USA scores and science grades will be the most competitive.

Applicant scoring are made up of:

- 1/3 – BIOL 2401 and 2402 GPA
- 1/3 – Overall GPA in last five years
- 1/3 – HESI score

An extra point will be applied to applicants with:

- Completed Associate or Bachelor degree
- Previous TCCD Dual Credit student
- Veterans



ELIGIBILITY

Must have a TCCD ID Number

- To be eligible to apply for the program, the student must first be a current TCCD student. This means that the student has a TCCD student ID number and has already applied and been accepted to the college.
- Individuals that have not applied to the college may follow this link: [Apply For Admission](#) to begin the process.

Transcript Evaluation

- ALL official transcripts from a college or university other than TCCD, must be received and evaluated by TCCD at the time of Application to the Diagnostic Medical Sonography program.
- First, submit your transcripts to the Transcript Office or Registrars office.
- This process can take up to two months, please keep this in mind.
- Also remember to include an official transcript with your application if your evaluation has not yet been completed.

TSI Requirements

- Meet TCC's Texas Success Initiative (TSI) requirements. For additional information on TSI requirements, please search TSI at tccd.edu.

Minimum 2.5 GPA is required to apply

DID YOU ATTEND HIGH SCHOOL OR COLLEGE OUTSIDE OF THE US?

- TOEFL-Internet Based Test score of 83 or higher.
- IELTS-Academic version Band Score of 6.5 overall with a min. score of 6 in all areas.



PREREQUISITE COURSES

You must have completed the following courses with a grade of C or higher before applying to our program.

- BIOL 2401 (Anatomy and Physiology I)*
- BIOL 2402 (Anatomy and Physiology II)*
- MATH 1314 (College Algebra) or MATH 1342 (Elementary Statistics)
- CHEM 1405 (Introductory Chemistry I) or CHEM 1406 (Introductory Chemistry I for Allied Health) **Note:** If you took CHEM 1405/1406 at a school other than TCC, check with our CTE Advisors to make sure your credit will transfer.

*BIOL courses must have been completed within 5 years from the time of deadline. You have a maximum of two attempts per course. SCIT COURSES are not accepted replacements for the BIOL courses. There are absolutely NO exceptions.

PREREQUISITE COURSES (CONT'D)

Physics Course

- You will take the required physics course (SCIT 1320) during the first semester of our program.
- **PHYS-1415 Physical Science** does **not** meet our Nuclear Medicine Technology Program requirement for physics.
- Please check with Academic Advisement on other general physics courses completed.

Recommended Pre-requisites

It is recommended that the following general education courses be completed prior to the program application. These courses can be taken before admission to the program.

ENGL 1301 (English Composition I)

PSYC 2301 (General Psychology)

One Creative Arts/Language, Philosophy or Culture elective: (3-hour course)

HESI A2 EXAM

You will be required to take the HESI A2 test prior to application.

What does the HESI A2 test cover?

- **Math:** Basic math skills; a 50-item exam that focuses on math skills needed for health care fields, including basic addition, subtraction, multiplication, fractions, decimals, ration and proportion, household measures, and general math facts that are useful. Personal calculators are not permitted during this part of the test although there is a basic function calculator available within the test.
- **Reading Comprehension:** A 47 items exam that includes reading scenarios that are health related. Provides reading scenarios in order to measure reading comprehension, including identifying the main idea, finding meaning of words, etc.
- **Vocabulary & General Knowledge:** A 50 items exam that contains vocabulary terms that are commonly used in both general English-speaking settings and in health care fields.
- **Grammar:** A 50 items exam that contains basic grammar including: parts of speech, important terms and their uses in grammar, and commonly occurring grammatical errors.

Other Information Please check the following link for more HESI A2 Information (registration, cost, test dates):

<https://www.tccd.edu/admission/testing-centers/hesia2/>

Results of test will be available immediately after completion. The test is 4.5 hours long; most people finish in approximately 2 hours.

Required Immunizations

- Hepatitis A – 2 doses
- Hepatitis B – 3 doses
- MMR – 2 doses
- TDAP – in last 10 years
- Varicella – 2 doses
- Influenza – in last year
- TB Skin Test/Gold Test – in last year

Some take up to 6 months to complete

A titer test showing full immunity will also be accepted

Renew TB annually and Flu seasonally

Check with your physician and the CDC web for proper immunization protocols.



PROGRAM SCHEDULE AND LENGTH

Course & Clinical Hours

Program courses and clinicals usually meet weekdays between 7am and 5pm. While in the program the potential exists for afternoon, evening and weekend clinical rotations.

This is a Full-Time Program

Students need to be able to commit to a full-time schedule for six consecutive semester (2 YEARS). Part-time or evening learning options are not available. You will need to prepare for a 5 days per week schedule throughout the program.

NUCLEAR MEDICINE TECHNOLOGY PROGRAM

Coursework in the First Fall Semester

SCIT 1320 – Physics for Allied Health

NMTT 1301 – Introduction to Nuclear Medicine

ENGL 1301 – Composition I

Coursework in the First Spring Semester

NMTT 2301 – Radiochemistry and Radiopharmacy

NMTT 2209 – Nuclear Medicine Methodology I

NMTT 1266 – Practicum I - Nuclear Medicine Technology

Social Behavioral Sciences X3XX – Social and Behavioral Sciences

Coursework in the First Summer Semester

NMTT 1309 – Nuclear Medicine Instrumentation

NMTT 1313 – Nuclear Medicine Physics

NMTT 1267 – Practicum II – Nuclear Medicine Technology

NUCLEAR MEDICINE TECHNOLOGY PROGRAM (CONT'D)

Coursework in the Second Fall Semester

NMTT 2313 – Nuclear Medicine Methodology II

NMTT 2333 – Positron Emission Tomography (PET) and Fusion Technology

NMTT 2366 – Practicum II (or Field Experience) – Nuclear Medicine Technology

ARTS/LANG/CULT/PHIL S3SS – Creative Arts of Language, Culture and Philosophy

Coursework in the Second Spring Semester

NMTT 2235 – Nuclear Medicine Seminar

NMTT 2467 – Practicum IV (or Field Experience) – Nuclear Medicine Technology

POST APPLICATION REQUIREMENTS

You will be required to meet the following requirements once you are notified of your acceptance into the program and 30 days before the first day of class.

- Criminal background check: If you have any criminal charges, you need to email the Program Director to discuss whether you can apply for the program. Felonies, assault, domestic violence and drug charges automatically bar you from eligibility.
- Drug screen
- Keep CPR current (American Heart Association certified BLS for Healthcare Providers)
- Health insurance is required for all clinical practicums
- Renew TB annually and Flu seasonally

FOR MORE INFORMATION

If you have any questions, please contact:
TR.HealthCareAdvising@tccd.edu

Program Director
Pamela.Alderman@tccd.edu

Administrative Assistant
jozelin.garcia@tccd.edu

PLEASE PAY ATTENTION!

In order to receive credit for this information session, please click the link below to sign in:

[Info Session Sign In](#)