

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE



SCHOOL OF HEALTH NUCLEAR MEDICINE TECHNOLOGY PROGRAM

Dear Student:

Thank you for your interest in the Nuclear Medicine Technology Program. Please be informed that in order to be reviewed for acceptance into the program you must be submit an application to STCC's Admissions Department. This may be done in the form of an intra-college transfer, if you are currently a STCC student. You may also submit an on-line application through the college's website. Students who are matriculating at other colleges , or not active may also submit an application. Each of the medical imaging specialty programs have a separate application process.

As part of the application process, a visit to one of our affiliate hospitals will be arranged by YOU. It is your responsibility to ensure that transcripts from other schools are received by the STCC Admissions Office, and that all of your records (STCC Admission Record and transcripts from other schools) accompany your application.

An informative session is required before you apply to the program. Please contact the program director for details. Once you have made application to the college's Nuclear Medicine Technology program, you may call the Admissions Office from time to time to determine if your file is complete. Your application cannot be reviewed or a decision rendered if the file is not complete.

Applicant files are reviewed by the Program Admissions Committee during the spring semester for acceptance to the class starting in the fall semester. Review of applications will begin in March and continue until the program is full.

Richard T. Serino, M.Ed., CNMT
Chairperson, Medical Imaging
Program Director, Nuclear Medicine

Revised 10/29/07



THE ROLE OF THE NUCLEAR MEDICINE TECHNOLOGIST

Nuclear Medicine Technologists utilize radiopharmaceuticals for the diagnosis or treatment of diseases. When introduced into the body, the radiopharmaceutical localizes in such a way as to represent the physiological or structural integrity of that patient. Its location in the body can be traced by using an appropriate radiation detector.

The Nuclear Medicine Technologist learns to prepare and administer the radiopharmaceutical, perform the diagnostic imaging study, provide or analyze clinical data that will include the use of a computer, and then produce a final qualitative or quantitative product, so that a diagnosis and/or treatment may be made by a physician who specializes in the field.

The Nuclear Medicine Technology program at STCC is 24 months in length, beginning in September and ending two full years later. Students spend two or three days each week on clinical affiliation at Baystate Medical Center, the largest medical center in Western New England; Hartford Hospital; Manchester Memorial Hospital; or Mercy Hospital. The rest of the week is spent at the college in didactic courses. The curriculum also includes two summer sessions. The cost for the summer sessions is at the School of Continuing Education rate.

Minimum course requirement for graduation in all subjects is a grade of "C" or better. A more complete description of the program requirements may be found in the Handbook for the Radiologic Health Sciences which is distributed at the beginning of each fall semester to accepted students. At graduation the student receives an Associate in Science in Diagnostic Medical Imaging and is eligible to apply for the national registry examination given by the American Registry of Radiologic Technologists and the Nuclear Medicine Technology Certification Board. The program also meets the requirements for state licensing application. The program is fully accredited by the Joint Review Committee on Educational Programs in Nuclear Medicine Technology.

Students are responsible for the cost of uniforms, radiation monitors, physical examinations, health insurance, liability insurance, books, calculator, and laboratory manuals. All accepted students must undergo a Criminal Offender Record Information or other check. Depending on the findings, the student may not be allowed to continue in the program of study. For further information, please contact the Office of the Dean, School of Health.

The Nuclear Medicine Technology program will produce graduates who:

1. Provide high quality, patient-centered diagnostic patient care.
2. Communicate effectively with patients, both orally and in writing.
3. Master clinical imaging protocols and be able to effectively operate Nuclear Medicine instrumentation.
4. Prepare and administer radiopharmaceuticals for Nuclear Medicine clinical studies.
5. Provide quality assurance and quality control techniques to promote excellent image quality.
6. Analyze clinical studies both qualitatively and quantitatively by established Nuclear Medicine computer software.
7. Interact with a multitude of health-care workers to promote a team approach to patient care.
8. Further their professional development by continuing education, conducting research, and being a part of the Society of Nuclear Medicine.

NUCLEAR MEDICINE TECHNOLOGY PROGRAM

Application Deadline: March 31st

Minimum Prerequisites:

College-level Chemistry with a Lab (grade of “C” or better)

College-level Math (Algebra-2 and Statistics) (grade of “C” or better)

College-level Biology with a Lab (grade of “C” or better)

College-level English (100-level or higher) (grade of “C” or better)

College-level Medical Terminology (grade of “C” or better)

Minimum of four hours documented observation in a hospital Nuclear Medicine department

Informative session(s) prior to application

A short (one-page) essay stating why you want to be a Nuclear Medicine technologist

If a student has not taken the above courses or has earned less than a “C”, the following STCC courses will meet the academic prerequisites and are recommended:

Chemistry:	CHEM-101	Math:	MATH-097, MATH-142
Biology:	BIOL-132	Medical Terminology:	MAST-101

Notes about prerequisites:

Prerequisites must be **completed** or **in progress** by the application deadline of March 31st

In-progress prerequisites must have mid-term grades attached to the application by March 31st

SAT scores are optional

NUCLEAR MEDICINE TECHNOLOGY PROGRAM

Additional Program Information

The admissions process is very competitive, with at least 50-75 applicants for the 5-10 places available every fall. Applications are accepted beginning in the fall semester. There is no waiting list that carries over from year to year. If applicants are not accepted for a given fall, they must reapply to be considered for the following year.

The application deadline is March 31st for the following fall. All prerequisites must be completed by the deadline date or be in progress with mid-term grades available in your application folder in the Admissions Office.

This is a two-year (including summer semesters) full-time day program that must be completed in a sequential manner. There is no availability of part-time, evening, or weekend components. There are clinical internships at area hospitals that may require driving from the Springfield area to Hartford to the south, so reliable transportation is a must. Clinical rotations are assigned and not chosen by the student.



Programmatic Technical Standards: (Nuclear Medicine)

The attached listing has been prepared to assist you in understanding the technical standards of the **Nuclear Medicine Technology** program in order to affiliate in the clinical agencies and ultimately practice the profession. The technical standards as stated here **are not** conditions of admission to a program of study. Rather, they reflect performance abilities that are necessary for a student to successfully complete the requirements of this specified health program. It should be noted that under the Americans With Disabilities Act “A qualified person with a disability is one who can perform the essential function of a job with or without reasonable accommodation.”

PLEASE NOTE THAT YOU ARE REQUIRED TO COMPLETE ALL OF THE INFORMATION BELOW AND RETURN THIS COVER SHEET TO THE S.T.C.C. ADMISSIONS OFFICE PRIOR TO THE FIRST DAY OF CLASSES. This indicates that you have read and understand the technical standards established for the program you are enrolling in. You should keep the attached listing of technical standards for your reference.

_____/_____/_____
Print Name #SS

Signature **Date**

Programmatic Technical Standards: (Nuclear Medicine)

The **Nuclear Medicine Technology** student must be able to meet the following technical standards:

- Lift, transfer and/or move patients from wheelchair/stretchers to scan table
- Lift, move, reach or push nuclear medicine equipment (lift up to 50lbs. - push up to 75lbs.)
- Possess manual dexterity
- Capable of standing in place
- Able to bend/stretch
- Vision/hearing normal or device corrected
- Able to distinguish color and shades of gray
- Demonstrate and develop effective interpersonal relation skills
- Instruct patients
- Read and extract information in the medical chart or patient scan requisitions
- Explain the clinical study orally and/or in writing

ENVIRONMENTAL REQUIREMENTS:

The work involves risks or discomforts that require special safety precautions, additional safety education and health risk monitoring (i.e., ionizing radiation, darkroom chemicals), working with needles and syringes, chemicals and patients with potentially infectious diseases. Students also will be required to use protective clothing or gear such as lab coats, masks, goggles, gloves and lead shielding devices.



TECHNICAL STANDARDS:

Although these standards are not used in the admissions process, a nuclear medicine student should know that they must be able to meet the following minimum technical standards to work in the field.

**Programmatic Technical Standards
(Nuclear Medicine)**

The above listing has been prepared to assist you in understanding the technical standards of the **Nuclear Medicine Technology** program in order to affiliate in the clinical agencies and ultimately practice the profession. The technical standards as stated here **are not** conditions of admission to a program of study. Rather, they reflect performance abilities that are necessary for a student to successfully complete the requirements of specified health programs. It should be noted that under the Americans with Disabilities Act “A qualified person with a disability is one who can perform the essential function of a job with or without reasonable accommodation.”

PLEASE NOTE THAT YOU ARE REQUIRED TO COMPLETE ALL OF THE INFORMATION BELOW AND RETURN THIS COVER SHEET TO THE DAY ADMISSIONS OFFICE PRIOR TO THE FIRST DAY OF CLASSES. This indicates that you have read and understand the Technical Standards established for the program you are enrolling in. You should keep the attached listing of Technical Standards for your reference.

Print Name

_____/_____/_____
SS#

Signature

Date



HOSPITAL SITE VISIT

Dear Student:

As part of the interview/application process to the Nuclear Medicine Technology program, prospective students must visit a Nuclear Medicine department in one of our hospital facilities. Attached is a list of those facilities. To make arrangements for the site visit, call the chief clinical instructor listed at the facility of your choice to set up a time for your visit. Our sites are more than happy to have you visit as you may be a prospective student and, later, a prospective employee. During your visit at the hospital, you will be able to observe what Nuclear Medicine technologists do, talk to practicing technologists about the field, and observe technologist/patient interactions.

This mandatory visit(s) must be scheduled for a minimum of four hours. When your visit is over, have one of the facility's clinical instructors sign the reverse side of this form. It should then be brought or mailed to STCC Admissions Department and included with your application for Nuclear Medicine.

Thank you for your interest in our Nuclear Medicine Technology program and enjoy your visit to the hospital setting.

I have read about and or researched the patient bill of rights, patient confidentiality concerns and the responsibilities of healthcare workers as well as students to maintain patient personal information, condition, prognosis and all observed about patient as private and privileged information. This will remain strictly confidential from my perspective on my behalf. The Health Insurance Portability and Accountability Act of 1996 (HIPPA) enforcement will also be upheld by me.

Signature

Printed Name/

Date

NOTE: Please wear clothing appropriate to the hospital setting.



**SPRINGFIELD TECHNICAL COMMUNITY COLLEGE
NUCLEAR MEDICINE TECHNOLOGY PROGRAM
PRE-ADMITTANCE SITE VISIT**

_____ has spent 4 hours in observation at
(Applicants Name)

Baystate Health System	Mercy Medical Center	Manchester Memorial Hospital	Hartford Hospital
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(Facility)

(Facility Representative)

(Date)

I have read about and or researched the patient bill of rights, patient confidentiality concerns and the responsibilities of healthcare workers as well as students to maintain patient personal information, condition, prognosis and all observed about patient as private and privileged information. This will remain strictly confidential from my perspective on my behalf. The Health Insurance Portability and Accountability Act of 1996 (HIPPA) enforcement will also be upheld by me.

Signature

Printed Name/ Date



SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

NUCLEAR MEDICINE TECHNOLOGY PROGRAM AFFILIATES

AFFILIATE

CONTACTS

BAYSTATE HEALTH SYSTEM
759 Chestnut Street
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Chief Clinical Instructor
(413)794-4659

MERCY MEDICAL CENTER
271 Carew Street
Springfield, MA 01104

Brad Quackenbush, A.S., CNMT
Chief Clinical Instructor
(413) 748-9203

HARTFORD HOSPITAL
80 Seymour Street
Hartford, CT 06102-5037

Chief Clinical Instructors:
Victoria Bryda, A.S., CNMT
(860) 545-2831- Nuclear Medicine
Michele Masse, B.S. CNMT
(860) 545-5540 – Nuclear Cardiology

MANCHESTER MEMORIAL HOSPITAL
71 Haynes Street
Manchester, CT 06140

Jessica Cowher, A.S., CNMT
Chief Clinical Instructor
(860) 647-6417



SPRINGFIELD TECHNICAL COMMUNITY COLLEGE NUCLEAR MEDICINE TECHNOLOGY PROGRAM

- The Applicant's Letter (Personal Statement)
- The applicant's letter is a requirement in the Nuclear Medicine Technology Program admission process, and is extremely important as it helps the committee to know and understand the applicant better.
- The letter must be typed (word processed), and no longer than two pages in length.
- The letter is evaluated on the following criteria:
 - a. Knowledge of Nuclear Medicine
 - b. Reasons for entering the Nuclear Medicine Technology program
 - c. Experiences in the military, Peace Corp etc.
 - d. Health care experiences
 - e. Other relevant experiences
 - f. Grammar, spelling, organization etc.

This letter should accompany the program application. However, it is strongly recommended that neither document be submitted until the applicant has completed the required four-hour imaging department observation visit. Additionally, in fulfilling the criteria please draw on as many personal experiences as you can, and good luck in the application process.

Prior to the March 31 deadline, it is the applying student's responsibility to ensure each of the following are included with the student's completed application materials in the Admissions Office:

- a. Complete and submit an application for the Nuclear Medicine Technology program
- b. Provide copies of all courses/grade transcripts
- c. Proof of clinical affiliate hospital site visit
- d. Informative session(s) prior to Nuclear Medicine Technology program application
- e. One-two page letter to the Nuclear Medicine admissions committee