

# NUCLEAR MEDICINE TECHNOLOGY

## Nuclear Medicine Technology Associate in Science Major Code 2102

### **Program Description**

Nuclear Medicine Technologists prepare and administer radiopharmaceuticals to patients and perform diagnostic procedures on virtually every organ system in the human body by using highly sophisticated computerized detection systems to produce and process images.

This Associate in Science degree program is a two-year program.

### **Applicants shall complete the first year General Education Requirements prior to the second year of the program.**

Upon completion of this degree program, the student will be eligible for the Nuclear Medicine National Board Certification Exam. They are offered by, the American Registry of Radiologic Technologists (ARRT) and/or the Nuclear Medicine Technology Certification Board (NMTCB). **The program is offered in building 41, BC North Campus, 1000 Coconut Creek Boulevard, Coconut Creek, FL.**

**Clinical Education is performed in medical facilities such as outpatient centers and hospitals and is offered concurrently with the didactic courses.**

### **Related Programs**

Nuclear Medicine Technology Specialist Technical Certificate  
Major Code 6224

### **General Entrance Requirements**

- HS Diploma or GED
- PERT<sup>‡</sup>

<sup>‡</sup> The PERT test places students into preparatory level reading, writing and math courses designed to prepare them for college coursework. The PERT test may be replaced by other test or coursework: see the College catalog for more details. All preparatory courses must be completed in order to graduate

### **Criteria for Admission to Associate in Science Degree in Nuclear Medicine Technology:**

- Students must first gain admission to Broward College as described in the Admissions Procedures section of the College Catalog.
- Students must fulfill the Health Science Admission Requirements listed in the Health Science Programs and Policies section of the College Catalog.
- Students must complete (or transfer in from another school) pre-requisite courses with a “C” grade or higher prior to submitting a Health Science Limited Access Application to the Nuclear Medicine Program. A minimum 2.5 degree GPA is required to apply to the program.
- Students must complete (or transfer in an equivalent course from another school/provider) the Pre-Health Science Core requirements prior to starting the program in August:
  - HCP 0001 (Health Careers Core Curriculum)
  - HSC 0405 (Basic Life Support (CPR) Students)
  - HSC 0522 (Tuberculosis/OSHA/Hepatitis For Students)
  - HSC 0591 (HIV/AIDS Students)
  - HSC 0691 (Domestic Violence For Students)
  - HSC0692 (Prevention of Medical Errors)

### **Criteria for Student Selection**

After satisfying the admission requirements, the selection of students for the program will be based on a point system. Points will be awarded for the number of courses completed toward the AS Degree in Nuclear Medicine. Only those courses required for the AS Degree in Nuclear Medicine (exclusive of the prerequisite courses & pre-health science core requirements) will be used to award points. One point will be awarded for each course successfully completed with a minimum of a “C” (or “S”) grade regardless of the number of credits. The points awarded for courses completed at BC or that are transferred in as equivalent are as follows:

1	BSC 1086 Anatomy & Physiology II	1 point
2	BSC 1086L Anatomy & Physiology II Lab	1 point
3	Humanities/Fine Arts Elective	1 point
4	Social/Behavioral Science Elective	1 point
5	SPC 1024 Intro to Speech Communications <b>or</b> SPC 1608 Public Speaking	1 point
6	CGS1060C Computer and Internet Literacy	1 point

\*Health Occupations Students of America (HOSA) students who meet all of the application criteria will be awarded one (1) additional point.

### **Points for Accumulative Grade Point Average**

Based on the strength of the pool of applicants, this category will be used as a “tie-breaker” should applicants have the same number of points upon application to the program. Points as follows will be awarded for the cumulative average of the courses that are required by the AS degree. This is for courses completed at BC or that are transferred in as equivalent:

4.0 – 3.2 GPA	2 points
3.2 – 2.5 GPA	1 points

The application period and deadline for applying can be found on the Health Science Admissions page. Only those applicants meeting the program selection criteria will be considered. **Incomplete applications or those received before students have completed the prerequisite courses will be returned to the applicant.** There is no waiting list to get into the program. Those not admitted must reapply for the following year.

### **PROGRESSION TO THE SECOND YEAR OF THE PROGRAM IS CONTINGENT UPON SUCCESSFUL COMPLETION OF ALL FIRST YEAR COURSES WITH A 2.0 GPA OR HIGHER.**

**Nuclear Medicine applicants who have criminal convictions or concerns must clear all ethics requirements by filing a Pre-application Review of Eligibility Form with the American Registry of Radiologic Technologists to avoid potential delays when applying to write the Certifying Exam. Applicants can contact the American Registry of Radiologic Technologists by telephoning the Ethics Department of the ARRT at 651-687-0048.**

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## NUCLEAR MEDICINE TECHNOLOGY

### Nuclear Medicine Technology Associate in Science Major Code 2102 (cont.)

**Requirements for the Associate in Science Degree in Nuclear Medicine Technology:**

- Complete 75 hours of credit with a degree grade point average of 2.0 or higher.
- No grade lower than a "C" will be acceptable in all degree courses.

**Note:** In order to successfully progress through the AS Nuclear Medicine Technology Program, students must achieve a grade of "C" or above in all didactic courses and an "S" (satisfactory) grade in all clinical and laboratory courses. This requirement is in addition to maintaining an overall degree GPA of at least 2.0

**Pre-requisite Courses**

*ENC 1101	Composition I	3
*CHM 1032	Chemistry for Health Sciences	3
*CHM 1032L	Chemistry for Health Sciences Lab	1
*BSC 1085	Anatomy and Physiology I	3
*BSC 1085L	Anatomy and Physiology Lab I	1
*MAC 1105	College Algebra	3
*PHY 1001	Applied Physics	3

**Total Semester Hours** **17**

**First Year Term I**

*NMT 1002	Introduction to Nuclear Medicine	3
*NMT 1002L	Nuclear Medicine Lab	1
*NMT 1430	Radiation Safety and Radiobiology	3
*CGS 1060C	Computer and Internet Literacy	3
SPC 1024	Introduction to Speech Communications OR	
SPC 1608	Intro to Public Speaking	3

**Total Term Semester Hours** **13**

**First Year Term II**

*NMT 1804	Nuc Med Clinical Education I	2
*NMT1630	Nuc Med Physics and Math App	3
NMT 1714	Nuc Med Pathology	2
*BSC 1086	Anatomy and Physiology II	3
*BSC 1086L	Anatomy and Physiology Lab II	1
Elective	Humanities/Fine Arts	3

**Total Term Semester Hours** **14**

**First Year Term III**

Elective	Social/Behavioral Science	3
*NMT1814	Nuc Med Clinical Education II	2

**Total Term Semester Hours** **5**

**Second Year Term I**

*NMT 2713	Nuclear Medicine Methodology I	2
*NMT 2713L	Nuclear Medicine Methodology I Lab	1
*NMT 2130	Nuclear Med. Radiopharmacy	2
*NMT 2824	Nuc Med Clinical Education III	3
*NMT 2779	Intro to Multiple Modalities	2

**Total Term Semester Hours** **10**

**Second Year Term II**

*NMT 2960	Nuc Med Advance Applications	2
*NMT 2102	Nuclear Medicine Administration	1
*NMT 2534	Nuc Med Instrumentation	2
*NMT 2723	Nuclear Medicine Methodology II	2
*NMT 2723L	Nuclear Medicine Methodology II Lab	1
*NMT 2834	Nuc Med Clinical Education IV	3

**Total Term Semester Hours** **11**

**Second Year Term III**

*NMT 2061	Nuclear Medicine Seminar	3
*NMT 2844	Nuc Med Clinical Education V	2

**Total Term Semester Hours** **5**

**Total Program Hours** **75**

\*Requires a pre- or co-requisite. Refer to the course descriptions found online at [www.broward.edu](http://www.broward.edu).

\*\*CGS1060C must be completed within the first 15 hours of Broward College coursework.

**It is strongly recommended that students see an academic advisor or counselor every term**