

<b>STUDENT NAME</b>		<b>SID #</b>	
<b>PROGRAM CHAIR</b>		<b>DATE</b>	

PROGRAM REQUIREMENTS			Requested Substitution/Transfer Credits (if applicable)					
Course	Course Title	CR	College/University	Course	CR	Grade	Quarter	Year

PROGRAM PREREQUISITES								
BIOL& 241	Human Anatomy and Physiology I (6 Cr) <i>Note: this course requires either BIOL&amp; 160 or BIOL&amp; 211</i>							
BIOL& 242	Human Anatomy and Physiology II (6 Cr)							
CHEM& 121	Introduction to Chemistry (6 Cr)							
CHEM& 131	Introduction to Organic/Biochemistry (6 Cr)							
ENGL& 101	English Composition I (5 Cr)							
MATH& 141	Precalculus I (5 Cr)							
PHYS& 114	General Physics I (6 Cr)							
PHYS& 115	General Physics II (6 Cr)							
PHYS& 116	General Physics III (6 Cr)							

**CORE COURSEWORK**
**FALL QUARTER**

CMST 250	Organizational Communication	5						
NMTEC 200	Applied Anatomy & Physiology	1						
NMTEC 201	Basic Nuclear Medicine Science	3						
NMTEC 229	Introduction to Clinical Education	3						
NMTEC 260	Clinical Nuclear Medicine I	1						
RADON 107	Orientation to Clinical Practice	2						

**WINTER QUARTER**

NMTEC 202	Instrumentation	3						
NMTEC 210	Radiopharmacy	1						
NMTEC 211	Patient Care in Nuclear Medicine	1						
NMTEC 230	Clinical Education I	10						

**SPRING QUARTER**

NMTEC 203	Computers in Nuclear Medicine	3						
NMTEC 231	Clinical Education II	10						
NMTEC 240	Radiation Safety	1						
NMTEC 241	Radiation Biology	1						
NMTEC 261	Clinical Nuclear Medicine II	1						

**SUMMER QUARTER**

NMTEC 212	Positron Emission Tomography	1						
NMTEC 232	Clinical Education III	12						
NMTEC 250	Sectional Anatomy for Nuclear Medicine	3						
NMTEC 262	Clinical Nuclear Medicine III	1						

**FALL QUARTER**

NMTEC 280	Computed Tomography for Nuclear Medicine	3						
NMTEC 233	Clinical Education IV	13						

**WINTER QUARTER**

NMTEC 234	Clinical Education V	13						
NMTEC 275	Board Preparation	1						

<b>TOTAL</b>		<b>93</b>						
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Nuclear medicine is a subspecialty of radiology that uses radioactive materials in the body to diagnose and treat disease. The Associate of Arts degree program in nuclear medicine technology covers all aspects of a nuclear medicine technologist's job, including a wide variety of imaging and therapeutic procedures; preparation and administration of radiopharmaceuticals; use of radiation detectors including gamma cameras and PET tomographs; and use of a variety of computer systems. More than 2/3 of the program is devoted to training in area hospitals and clinics. The program uses a selective-admissions process, with admissions guidelines published annually.

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**LEARNING OUTCOMES**

**Degree recipients should possess the skills & abilities described below:**

- Perform nuclear medicine functions of all kinds, including imaging, non-imaging, and therapy procedures; quality control procedures; radiopharmacy skills; and radiation safety/protection techniques and procedures.
- Operate nuclear medicine equipment including gamma cameras, SPECT systems, PET scanners, and CT scanners co-located with SPECT or PET systems; and nuclear medicine computers, including scheduling, radiopharmacy, imaging, and archiving systems.
- Review requests for appropriateness and schedule nuclear medicine studies, consulting as necessary to attain the best quality of patient care.
- Assess technical results of nuclear medicine procedures and functions and determine appropriate actions based on those results.
- Communicate effectively with patients, family members, hospital staff, and the general public, and demonstrate professionalism in all actions and communications.
- Provide nursing and emergency care as appropriate to the situation and scope of practice.
- Use appropriate resources to advance their understanding of new directions within the field of nuclear medicine.

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**FOR MOST UP-TO-DATE INFORMATION, GO TO:**

*[www.bellevuecollege.edu/programs/degrees/proftech/nmtec/](http://www.bellevuecollege.edu/programs/degrees/proftech/nmtec/)*

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