

BLUEGRASS COMMUNITY AND TECHNICAL COLLEGE

**Nuclear Medicine and Molecular Imaging
Technology
Associate in Applied Science**
Academic Plan Code – 5109057019

The Nuclear Medicine and Molecular Imaging Technology (NMMIT) program prepares the individual to work in the field of Nuclear Medicine and Molecular Imaging. Nuclear Medicine and Molecular Imaging is the medical specialty that utilizes the nuclear properties of radioactive and stable nuclides to make diagnostic evaluation of the anatomic or physiologic conditions of the body and to provide therapy with unsealed radioactive materials. The skills of the nuclear medicine technologist complement those of the nuclear medicine physician and other professionals in the field. Nuclear medicine technologists have responsibilities in the following areas: (a) patient care and monitoring, (b) technical skills related to radiation safety, radiopharmacy, clinical instrumentation, diagnostic and therapeutic procedures (including hybrid imaging and emerging technologies), quality control, and computers, and (c) administrative functions related to supplies and equipment, documentation of operations related to disposition of radioactive materials, quality control data, and patient records.

The NMMIT program is a selective admission program. A student must earn a grade of C or better in the prerequisite and concurrent mathematics and science courses to be admitted to and to remain enrolled in the program. Also, a student must earn a grade of C or better in each of the NMMIT courses to progress and to be retained in the program. After graduation from the program, the individual is eligible to write either the Nuclear Medicine Technology Certification Board (NMTCB) or the American Registry of Radiologic Technologists (ARRT) nuclear medicine technology examination to earn credentials. Please see the guidelines for the selective admission requirements to the Nuclear Medicine and Molecular Imaging Technology program.

	Heritage/Humanities	3
	Social/Behavioral Science	3
	Oral Communications Course	3
	Computer Literacy Course	0 – (3)
	Subtotal Credit Hours	35–40
Technical Core or Support Courses		
NMMI 140	Clinical Procedures I	1
NMMI 141	Physics & Instrumentation I	2
NMMI 142	Radiation Biology/Protection	1
NMMI 150	Clinic I	2
NMMI 160	Clinical Procedures II	2
NMMI 161	Physics & Instrumentation II	2
NMMI 170	Clinic II	2
NMMI 220	Clinic III	2
NMMI 230	Radiopharmacy	2
NMMI 240	Clinical Procedures III	4
NMMI 250	Clinical Procedures IV	4
NMMI 260	Clinic IV	4
NMMI 270	Clinic V	4
RDL 230	Sectional Anatomy for Advanced Imaging	3
	Subtotal Credit Hours	35
	Total Credit Hours	70 - 75

Course Number	Course Title	Credit Hours
General Education Core		
ENG 101	Writing I	3
ENG 102	Writing II	3
BIO 137	Human Anatomy & Physiology I	4
BIO 139	Human Anatomy & Physiology II	4
MA 109 or MT 150	College Algebra	3
CHE 104	Introductory College Chemistry I	3
CHE 106	Introduction to Inorganic, Organic & Biochemistry	4
PH 171	Applied Physics	4
PH 172	Physics for Health Sciences	(2)

(Courses are listed by category and not necessarily in the order to be taken)