

BLUEGRASS COMMUNITY AND TECHNICAL COLLEGE

**Nuclear Medicine Technology
Associate in Applied Science**

Academic Plan Code – 5109057019

Description:

Nuclear Medicine Technology 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 sources. The skills of the nuclear medicine technologist complement those of the nuclear medicine physician and of other professionals in the field. Nuclear medicine technologists have responsibilities in the following area: (a) patient care and monitoring, (b) technical skills related to radiation safety, radiopharmacy, clinical instrumentation, diagnostic and therapeutic procedures, quality control, 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 Nuclear Medicine Technology program is a selective admissions program. A student must earn a grade of C or better in the prerequisite and concurrent mathematic 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 nuclear medicine technology courses 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.

NUC 140	Principles of Nuclear Medicine & Clinic I	6
NUC 150	Principles of Nuclear Medicine & Clinic II	6
NUC 230	Principles of Nuclear Medicine & Clinic III	6
NUC 240	Principles of Nuclear Medicine & Clinic IV	8
NUC 280	Principles of Nuclear Medicine & Clinic V	8
	Subtotal Credit Hours	34
	Total Credit Hours	71 - 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 MT150	College Algebra	3
CHE 104	Introductory College Chemistry I	3
CHE 106	Introduction to Inorganic, Organic & Biochemistry	4
PH 172	Physics for Health Sciences	2
	Humanities/Foreign Language Course	3 – (4)
	Social Interaction Course	3 – (4)
	Oral Communications Course	3
	Computer Literacy Course	1 – (3)
	Subtotal Credit Hours	37–41
Technical Core or Support Courses		