NUCLEAR MEDICINE TECHNOLOGY (B.S.)

The major program in nuclear medicine technology provides students with an educational foundation in biology, chemistry, physics and mathematics in preparation for clinical applications. This applied health specialty employs the use of imaging materials for diagnostic, therapeutic and investigative purposes.

The Bachelor of Science degree program in Nuclear Medicine Technology includes three years of liberal and science education at the University followed by a 12-month professional phase at an accredited hospital-based program. A minimum 2.75 grade point average in science course work is generally required for acceptance into a hospital's professional program. It is not possible for the University to guarantee a student a position in the professional phase; policies regarding selection criteria are determined by the hospital schools.

Major Program (90 credit hours)

Code	Title	Hours
Required Courses		
BIOL 160	Cell Biology	4
BIOL 221	Human Anatomy	4
BIOL 252	Human Physiology	4
BIOL 255	Genetics	4
BIOL 343	Immunology	3
CHEM 121 & CHEM 123	General Chemistry I and General Chemistry I Lab	5
CHEM 122 & CHEM 124	General Chemistry II and General Chemistry II Lab	5
CHEM 224 & CHEM 225	Organic Chemistry I and Organic Chemistry I Lab	4
MATH 175	Statistics	4
MATH 181	Calculus/Analytic Geometry I	5
PSCI 111	General Physics I	4
PSCI 112	General Physics II	4
or PSCI 211	Physics I	
PSCI 212	Physics II	4
Professional Phase I and II		36
Total Hours		**90**

The curriculum of the professional phase of the program is determined by the hospital-based program and are subject to change. The program may require additional tuition and fees beyond those charged to non-allied health majors.

Professional Phase of the program (36 credit hours)

Code	Title	Hours
NUCM 403	Diagnostic Nuclear Imaging Clinical Practicum I	4
NUCM 404	Diagnostic Nuclear Imaging Clinical Practicum II	4
NUCM 406	Management/Methods Patient Care I	3
NUCM 408	Management/Methods Patient Care II	1
NUCM 410	Clinical Nuclear Medicine Procedures I	3
NUCM 411	Clinical Nuclear Medicine Procedures II	3
NUCM 414	Radiation Safety/Protection	3
NUCM 417	Radionuclide Chemistry/Radiopharmacy	3
NUCM 421	Radiation Physics/Instrumentation	3
NUCM 422	Medical Terminology for Nuclear Medicine	1
NUCM 424	Radiation Detection/Instrumentation	3
NUCM 426	Computed Tomography/Cross Sectional Anatomy	2
NUCM 429	Radiation Biology	1
NUCM 430	Clinical Correlation/Pathology	2
Total Hours		**36**

Students work with their advisors in selecting additional elective credits to fulfill the 120 credit hours required for graduation.