

Major in Allied Health leading to a BS degree

Concentration in Nuclear Medicine Technology

Nuclear medicine technologists are involved in direct patient care. They work with physicians to administer radioactive and stable nuclides for the diagnosis of disease and to provide therapy using unsealed radioactive sources. Most nuclear medicine technologists work in hospitals. Students interested in allied health careers should seek early guidance from a biology advisor. This is particularly true for transfer students who will face a very tight schedule in some of these programs.

Nuclear medicine technology students complete 90 semester hours of academic course work including the University Writing Requirement and the Arts and Sciences general education requirements as well as the concentration requirements outlined below. They complete their last 30 semester hours in a one-year, full-time, daytime clinical training program at Edward Hines, Jr., Veterans Hospital or Northwestern Memorial Hospital. Upon successful completion of the clinical program, students receive a certificate in nuclear medicine technology from the hospital, a BS in allied health from the University, and eligibility to sit for ARRT (N) certification. Admission to clinical training is at the discretion of the hospital. Students are not guaranteed admission. Students in clinical training are registered through Roosevelt University and pay Roosevelt University tuition. There is no additional tuition charge for the clinical portion of the program. Nuclear medicine technologists holding a certificate from an accredited program may be eligible for advanced standing and exemption from further clinical training. Contact the Department of Mathematics and Actuarial Science for details.

Required courses in the concentration:	Credit hours:
Biol 111 Human Biology	4
Biol 150 Science as a Way of Knowing	4
Biol 201 Organismic Biology	5
Biol 301 Cellular and Molecular Biology	5
Biol 115 Advanced Human Biology or Biol 367 Immunology	4 - 5
Chem 101 General Chemistry I	4
Chem 202 General Chemistry II	4
Chem 211 Organic Chemistry I	4
Math 121 College Algebra	3
Math 122 Precalculus	3
Math 217 Introduction to Probability and Statistics	3
Phys 201 Introductory Non-Calculus-Based Physics I	5
Phys 202 Introductory Non-Calculus-Based Physics II	5
*Clinical Courses	30
College of Arts and Sciences	

General education requirements, University

Writing Requirement, electives to total 120

*Prereq: Satisfactory completion of preclinical course work and admission to clinical program.

Clinical courses for nuclear medicine technology:

Alh 340 Management and Methods of Patient Care

Alh 341 Operational Issues in Radiation Therapy

Alh 342 Radiation Detection and Instrumentation

Alh 343 Computer Applications

Alh 344 Diagnostic Nuclear Imaging Practicum I

Alh 345 Radiation Safety and Protection
Alh 346 Radionuclide Chemistry and Radiopharmacy
Alh 347 Clinical Correlation
Alh 348 Diagnostic Nuclear Imaging Practicum II
Alh 349 Clinical Nuclear Imaging Procedures
Alh 350 Nuclear Physics
Alh 351 Technical Mathematics
Alh 395 Independent Study