

# Nuclear Medicine Technology

## at Benedictine University

### Why study nuclear medicine technology at Benedictine?

Benedictine University is one of the few colleges or universities which offers a bachelor's degree in Nuclear Medicine Technology. At Benedictine, you will benefit from:

- A strong science curriculum balanced with courses in the humanities and social sciences
- A superb location near many outstanding medical facilities
- A suburban setting with easy access to Chicago
- Close contact with a faculty advisor knowledgeable in requirements and procedures for applying to a nuclear medicine technology program

### What does a degree in Nuclear Medicine Technology at Benedictine offer?

Technology and systems in the field of nuclear medicine technology are changing so rapidly that directors of the program encourage those interested in the field to pursue a bachelor's degree. A bachelor's degree in Nuclear Medicine Technology prepares you to:

- Provide patient care which includes concern for radiation safety
- Understand patient concerns and fears about their illness and treatment
- Recognize emergency patient conditions
- Develop administrative capability which includes supervisory and record-keeping functions and radionuclide accountability
- Take the registry examination for a certified nuclear medicine technologist

### How does the program work?

When you major in Nuclear Medicine Technology, you will complete your first three years of course work at Benedictine University. You should complete all college graduation requirements during these three years while maintaining a grade point average of 2.8 or above. **During your junior year, you must apply to Hines Veterans Administration (VA) Hospital and/or Northwestern Memorial Hospital for your clinical education. The admissions process is competitive.** During your senior year, you will complete a 12-month, 34-semester-hour clinical education curriculum at Hines VA Hospital (only U.S. citizens may enter the Hines VA program) and/or Northwestern Memorial Hospital.

When you complete this curriculum, you will be awarded a certificate of qualification as a nuclear medical technologist. You will be eligible to take certifying examinations administered by the Nuclear Medicine Technology Certification Board, the American Registry of Radiologic Technologists and the Board of Registry of the American Society of Clinical Pathologists.

# Recommended Program

## Bachelor of Science in Nuclear Medicine Technology

### FRESHMAN

Writing Colloquium	3
Mathematics (MATH 111)	3
Principles of Organismal Biology	3
General Chemistry I and Lab	4
Fine Arts/Music core elective	3
	<b>16</b>

Research Writing	3
Principles of Biology	3
Principles of Biology Lab	1
General Chemistry II and Lab	4
Speech Communication	3
	<b>14</b>

### JUNIOR

Human Anatomy	4
Organic Chemistry I and Lab**	4
Statistics I	3
Religious Studies core elective	3
Cultural Heritage (HUMN 240)	3
	<b>17</b>

Organic Chemistry II and Lab**	4
General Ethics	3
Arts and Humanities core elective	3
Social Science core elective	3
Cultural Heritage (HUMN 250)	3
	<b>16</b>

Transfer students must complete 30 hours at Benedictine University to be considered an affiliate in the application process.

### SOPHOMORE

Genetics and Lab	4
College Physics I and Lab*	4
Introduction to Computer Science and Lab	3
Social Science core elective	3
Cultural Heritage (HUMN 220)	3
	<b>17</b>

Human Physiology	4
General Physics II and Lab*	4
Humanities Heritage (HUMN 230)	3
Social Science core elective	3
	<b>14</b>

### SENIOR

Clinical Education at Hines VA, Hines, Illinois or Northwestern Memorial Hospital.

- Management and Methods of Patient Care
- Radiation Safety and Protection
- Nuclear Physics and Instrumentation
- Diagnostic Nuclear Imaging Practicum I and II
- Clinical Nuclear Imaging Procedures
- Radionuclide Chemistry and Radiopharmacy
- Radiation Biology
- Computer Applications
- Clinical Correlation
- Radiation Detection and Instrumentation
- Technical Mathematics

*\*Courses must be completed with grades of "C" or better.*

*\*\*Students who may wish to attend professional school or graduate school should take Organic Chemistry.*