NUCLEAR MEDICINE TECHNOLOGY
Bachelor of Science (B.S.) Degree

Definition: Nuclear Medicine Technologists provide patient diagnostic and therapeutic services using the nuclear properties of radioactive materials. They perform patient organ imaging procedures and analysis of biological specimens. They also administer low levels of radioactive materials to patients.

The Indiana University School of Medicine Department of Radiology offers a program leading to a Bachelor of Science in Nuclear Medicine Technology. The course of study requires the applicant to complete two years of prerequisite coursework equaling 60 credit hours at Indiana University in Bloomington (or another campus or college); and then, if admitted to the program, two years of professional and clinical work at the Indiana University Medical Center in Indianapolis. Students entering the professional portion of the program must fulfill the preprofessional requirements listed below.

IMPORTANT
This document has been prepared for Indiana University Bloomington students by the Health Professions and Prelaw Center. It should be noted that specific requirements and policies can change at any time without notice. Students are responsible for obtaining the most current information directly from the application services, and the school(s) and program(s) in which they have an interest.

Visit the following website: http://medicine.iu.edu/hpp, click on “How to Apply”.

<table>
<thead>
<tr>
<th>COURSES REQUIRED FOR ADMISSION¹</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td><strong>Written and Verbal Communication</strong></td>
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<tr>
<td>English Composition, ENG-W 131, OR, Projects in Reading and Writing</td>
<td>3</td>
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<tr>
<td>Professional Writing Skills, ENG-W 231 <em>(preferred)</em> or other composition course</td>
<td>3</td>
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<tr>
<td>Public speaking, CMCL-C 121, or Interpersonal Communication, CMCL-C 122</td>
<td>3</td>
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<tr>
<td><strong>Physical and Biological Sciences²</strong></td>
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<tr>
<td>Human Anatomy (w/lab), ANAT-A 215</td>
<td>5</td>
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<tr>
<td>Human Physiology (w/lab), PHSL-P 215</td>
<td>5</td>
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<tr>
<td>Elementary Chemistry and lab I, CHEM-C 101 and 121³</td>
<td>5</td>
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<tr>
<td>Physics in the Modern World, PHYS-P 101; General Physics I, PHYS-P 201; or higher physics w/lab</td>
<td>4-5</td>
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<tr>
<td><strong>Mathematics</strong></td>
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<tr>
<td><em>Choose one sequence:</em> a) Precalculus, MATH M 25 + Brief Survey of Calculus, MATH-M 119 <em>(preferred sequence).</em> b) Precalculus, MATH-M 25 + Trigonometric Functions, MATH-M 26 or c) Finite, MATH-M 118 + Brief Survey of Calculus, MATH-M 119</td>
<td>5-6</td>
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<tr>
<td><strong>Social and Behavioral Science courses</strong></td>
<td></td>
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<tr>
<td>Introduction to Psychology, PSY-P101 or 102⁴</td>
<td>3</td>
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<tr>
<td><em>Choose one course from the following departments⁵:</em> Anthropology, Psychology, Sociology.</td>
<td>3</td>
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<tr>
<td><strong>Statistics</strong></td>
<td></td>
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<td>Various options: e.g. STAT-S 300, SPEA-K 300⁶, PSY-K 300⁷, MATH-K 310⁷, PSY-K 310⁷</td>
<td>3</td>
</tr>
<tr>
<td><strong>Medical Terminology</strong></td>
<td></td>
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<tr>
<td>Medical Terminology, CLAS-C 209</td>
<td>2</td>
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<tr>
<td><strong>Humanities Elective – Choose one course from the following departments/categories⁷</strong></td>
<td></td>
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<tr>
<td>African American and African Diaspora Studies, American Studies, Art History, Classical Studies, Communication and Culture, English Literature, Folklore, foreign languages and cultures, Gender Studies, History, Journalism, Music, Latino Studies, Philosophy, Religion.</td>
<td>3</td>
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<tr>
<td><strong>Electives</strong></td>
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<tr>
<td>TOTAL CREDIT HOURS TO BE COMPLETED PRIOR TO BEGINNING PROFESSIONAL PROGRAM</td>
<td>55</td>
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</tbody>
</table>

¹ A minimum grade of “C” (not “C-”) is required for all courses required for admission (pre-professional courses).
² Students must have a minimum of 17 credit hours from Physical and Biological Sciences.
³ Students may take any 200 level course from the CHEM department.
⁴ Students must take PSY-P101 or 102.
⁵ Students must take at least one course from the listed departments.
⁶ Students may take any course from the listed departments.
⁷ Students must take a minimum of one course from the listed categories.
Suggestions for Electives

Electives allow students to explore areas of interest and broaden their education. Additional major level science courses will allow for flexibility in career planning. Also, you might wish to choose courses that will apply towards a minor or an alternative major. Choose from various science and health-related courses offered by the College of Arts & Sciences and School of Health, Physical Education and Recreation.

ADMISSION REQUIREMENTS AND STATISTICS

Shadowing and Observation
On-site observation in a hospital nuclear med tech department is required for admission to the Nuclear Medicine Technology B.S. program. A Pre-Interview Questionnaire must be completed and sent with the application to the program. The form is available at the following website: http://medicine.iu.edu/hpp, click on “How to Apply”, then “Program Specific Requirements”.

Volunteering and Other Professional Development
Not required. However, HPPLC advisors suggest that such experience is a valuable component of your education.

Grade Point Average (GPA)
For qualified applicants at the time of selection for the class entering in 2012:
- mean GPA = 3.33 (range: 2.86 – 3.62)
- mean Math/Science GPA = 3.26 (range: 2.80 – 3.63)
- applicants: 11, offered admission: 7, class size: 5 (can accommodate up to 7)

Admission Test
Not required.

Application Information
- Preference is given to applicants who are Indiana residents. Preference is also given to applicants who complete the majority of applicable course work at a public college or university in Indiana (even if out-of-state). This policy is applied at the time of program application.
- A minimum grade of C (not C-) is required for each admission course (not including electives).
- Have a minimum math/science GPA of 2.50 and a minimum cumulative GPA of 2.80 at the time of application. Both must be maintained subsequent to the interview. An applicant meeting these minimum standards is eligible to be considered, but will not be competitive.
- Repeated courses. A maximum of 15 hours may be replaced. In addition to the grade replacement policy, admission policies to academic bankruptcy and fresh start also exist and are available on the admissions site referenced below.
- Admission information and applications are available at http://medicine.iu.edu/hpp, click on “How to Apply”.
- File an application for admission to the IU School of Medicine Health Professions Programs between September 1 and November 15 of the year prior to entry into the program. Early application is strongly encouraged. All completed applications received by the deadline will be reviewed. An Undergraduate Application or an Intercampus Transfer (ICT) Application to IUPUI must be submitted. Website for ICT application: http://www.iupui.edu/~moveiu/.

Letters of recommendation
Not required.

Admission Interview
- Interviews are conducted in February.
- Applicants are usually notified regarding acceptance by late March.
Credit Hours Required Prior to Beginning Professional Program (but not necessarily at time of application):
55 credit hours which include required courses listed on the first page of this document.

Personal statement
Not required.

ADMISSION ISSUES, SUGGESTIONS AND NOTES

Consider a Back-up Plan
It’s always wise to have a “Plan B” when applying to a program that has competitive admissions. Schedule an appointment to see a HPPLC health professions advisor to explore your options by calling 812-855-1873.

Other Admission/Program Info
Policies, procedures and admission requirements vary from one program to another, including IU regional campuses. HPPLC advisors suggest that you research all programs and apply to several. For information about all accredited programs in the U.S., visit The Joint Review Committee on Educational Programs in Nuclear Medicine Technology: http://www.jrcnmt.org/acprograms.asp.

SELECTION CRITERIA
Nuclear Medicine Technology is a competitive admission program. Satisfying the basic admission requirements does not guarantee acceptance into the program. At this time, the following factors are considered in admission decisions:

- Science/Math GPA (35%)
- Cumulative GPA (35%)
- Interview (30%)
- Reapplication is taken under consideration at admission committee review.
- Status as Indiana resident. Nonresidents who complete at least 51% of applicable course work at a public college or university in Indiana are considered the same as residents for admission purposes (out-of-state tuition still required).

PROFESSIONAL PROGRAM STARTING DATE
The professional program in Indianapolis begins once a year in late June (IUPUI Summer Session II starting date).

CAREER INFORMATION

- The job market is fair in Indiana but fair to good across the country. Graduates may need to relocate.
- Job outlook is expected to grow by 15 percent from 2006 to 2016 (see Bureau of Labor Statistics website: http://www.bls.gov/oco/ocos104.htm).

PROGRAM CONTACT INFORMATION

Academic Support Specialist (IUPUI):
Donna Clark, MPA
541 Clinical Drive, Room 120
Indianapolis, IN 46202-5111
Phone: (317) 274-3802
Email: dvclark@iupui.edu
Website: http://medicine.iu.edu/hpp

Professional contact and observations (IUPUI):
Judy Kosegi, M.S., RT(R)(N), CNMT
Phone: (317) 274-7431
We encourage you to use e-mail to ask questions and to communicate with our HPPLC advisors concerning nuclear medicine technology programs not only at IUPUI but nationwide as well. Send an email to an individual HPPLC advisor or to udivhpp@indiana.edu.

Please add your name to the HPPLC listserv by visiting the HPPLC website: [www.hpplc.indiana.edu](http://www.hpplc.indiana.edu). Also check the HPPLC website for notices about upcoming meetings, the Health Programs Fair, campus visits by admission representatives and other items of interest.

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