

HEALTH PROFESSIONS AND PRELAW CENTER

Indiana University Bloomington ■ University Division ■ Maxwell Hall 010 ■ Bloomington IN 47405
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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 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".

COURSES REQUIRED FOR ADMISSION ¹	Credit Hours
Written and Verbal Communication	
English Composition, ENG-W 131	3
Professional Writing Skills, ENG-W 231 (<i>preferred</i>) or other composition course	3
Public speaking, CMCL-C 121, or Interpersonal Communication, CMCL-C 122	3
Physical and Biological Sciences²	
Human Anatomy (w/lab), ANAT-A 215 ³	5
Human Physiology (w/lab), PHSL-P 215 ³	5
Elementary Chemistry and lab I, CHEM-C 101 and 121 ⁴	5
Elementary Chemistry and lab II, CHEM-C 102 and 122 ⁴	5
Physics in the Modern World, PHYS-P 101; General Physics I, PHYS-P 201; or higher physics w/lab	4-5
Mathematics	
<i>Choose one sequence: a) Precalculus, MATH M025 + Brief Survey of Calculus, MATH-M 119 (preferred sequence), b) Precalculus, MATH-M 025 + Trigonometric Functions, MATH-M 026 or c) Finite, MATH-M 118 + Brief Survey of Calculus, MATH-M 119</i>	5-6
<i>Math/Science elective: Students entering in summer 2009 are strongly encouraged to complete a statistics course to meet this elective⁵.</i>	3
Social and Behavioral Science courses	
Introduction to Psychology, PSY-P101 or 102 ⁶	3
<i>Choose one course from the following departments⁶ - Anthropology, Psychology, Sociology.</i>	3
Statistics	
Various options: e.g. STAT-S 300, SPEA-K 300, PSY-K 300 ⁷ , MATH-K 310 ⁸ , PSY-K 310 ⁸ .	3
Medical Terminology⁸	
Medical Terminology, CLAS-C 209	2
Humanities Elective – Choose one course from the following departments/categories⁹	
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.	3
Electives	VARIABLES
TOTAL CREDIT HOURS TO BE COMPLETED PRIOR TO BEGINNING PROFESSIONAL PROGRAM	60

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 20 credit hours from Physical and Biological Sciences.

³ Combined GPA of these two courses must equal at least 2.0 on a 4.0 scale.

⁴ CHEM-C 117 and CHEM-N 330 (or CHEM-C 118) suggested for flexibility in career planning and choosing advanced courses. N330 requires several prerequisite courses.

⁵ This course will be required for students entering in the summer of 2010. Students applying for entry in summer 2009 should speak to your advisor if you have already completed another course and cannot fit a statistics course into your schedule.

⁶ Some IUB students applying to this program may have received credit for PSY-P 151, 152, 155 or 106 instead. These are all considered introductory psychology courses and would be acceptable for admission purposes.

⁷ This course has a prerequisite requirement of MATH-M 118 or 119.

⁸ This course has a prerequisite requirement of MATH-M 119 or equivalent.

⁹ These courses may be completed either prior to (recommended) or during the professional program. If these courses are not completed prior to starting program, other electives must be completed to bring the total credit hours to 60.

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 2009:

- mean GPA = 3.39 (range: 3.00 – 3.96)
- mean Math/Science GPA = 3.29 (range: 2.73 – 4.00)
- applicants: 14, offered admission: 8, class size: 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):

60 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 middle 50 percent of Nuclear Med Tech earnings ranged from \$53,530 to \$72,410 in May 2006 (see Bureau of Labor Statistics website: <http://www.bls.gov/oco/ocos104.htm>). The 2006 Nuclear Medicine Technology Certification Board salary survey showed that new graduates average about \$50,000/year.
- 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
Email: jkosegi@iupui.edu
Website: <http://medicine.iu.edu/hpp>

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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](mailto: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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