

HEALTH PROFESSIONS AND PRELAW CENTER

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MEDICAL IMAGING TECHNOLOGY

Bachelor of Science (B.S.) Degree

Definition: Medical Imaging Technologists are radiographers who have completed additional education in advanced image production. They use interventional angiography, computed tomography, magnetic resonance imaging, and/or ultrasonography as the image modality.

Students are not admitted directly to the Medical Imaging Technology (MIT) program. They must successfully complete the Associate of Science degree in Radiography before beginning the Bachelor of Science program in Medical Imaging Technology (see HPPLC Radiography handout). IU Bloomington students interested in Medical Imaging Technology take prerequisites for MIT while preparing to apply for the Radiography Associate of Science degree. It normally takes two years to complete all admission requirements for both programs.

IMPORTANT

This document has been prepared for Indiana University Bloomington students by the Health Professions and Prelaw Center. Please note 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 or Intro to Argumentative Writing, ENG-W 170	3
Professional Writing Skills, ENG-W 231 (preferred) or other composition course	3
Public Speaking, CMCL-C 121, or Interpersonal Communication, CMCL-C 122	3
Mathematics	
Choose from: Precalculus Math, MATH-M 025; or Brief Survey of Calculus, MATH-M 119; or Finite Math, MATH-M 118	3
Physical and Biological Sciences²	
Human Anatomy, ANAT-A 215 (includes lab)	5
Human Physiology, PHSL-P 215 (includes lab)	5
Elementary Chemistry, CHEM-C 101 (lecture only)	3
Physics in the Modern World, PHYS-P 101 or General Physics I, PHYS-P 201 (both include req.lab)	4-5
Social and Behavioral Sciences	
Introductory Psychology, PSY-P 101 or 102 ³	3
Choose one course from the departments of Psychology, Sociology or Anthropology ⁴	3
Statistics	
Various options: e.g. STAT-S 300, SPEA-K 300, PSY-K 300 ⁵ , MATH-K 310 ⁶ , PSY-K 310 ⁶ .	3
Medical Terminology⁴	
Medical Terms from Greek and Latin, CLAS-C 209	2
Humanities – choose one 3 credit hour course from the following departments/categories⁴	
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
RADIOGRAPHY COURSES: MUST BE A REGISTERED RADIOGRAPHER PRIOR TO BEGINNING THE MIT PROGRAM	40
TOTAL CREDIT HOURS (to be completed prior to beginning the professional program)	80

¹A minimum grade of "C" (not "C-") is required for all courses required for admission (pre-professional courses).

² Students must have a minimum of 15 credit hours from Physical and Biological Sciences.

³ 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.

⁴ These courses may be completed either prior to (recommended) or during the professional program.

⁵ This course has a prerequisite requirement of MATH-M 118 or 119.

⁶ This course has a prerequisite requirement of MATH-M 119 or equivalent.

ADMISSION REQUIREMENTS AND STATISTICS

Shadowing and Observation

Observation is not required before admission, but is implied. The Pre-Interview Questionnaire must be completed and sent with the application to the program and includes questions about your knowledge of the field. The form is available at the following website: <http://medicine.iu.edu/hpp>, click on "How to Apply" and "Program Specific Requirements".

Volunteering and Other Professional Development

None required. The questionnaire mentioned above will ask for information about your work experiences (paid or volunteer) prior to applying.

Grade Point Average (GPA)

For qualified applicants for the Summer Session II class of 2009 at the time of selection:

- mean GPA = 3.55 (range: 2.86 – 4.13)
- mean GPA Radiography Tech courses = 3.55 (range: 3.00 – 4.14)
- applicants: 31, offered admission: 23, class size: 22

Admission Test

Evidence of registration or eligibility for registration in radiography by the American Registry of Radiologic Technology (A.R.R.T.) required at the time of application.

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 optional electives).
- Have a minimum **math/science GPA of 2.50**, a minimum **GPA of 3.00 in Radiologic Tech** courses, a minimum **cumulative GPA of 2.80** at the time of application. All must be maintained subsequent to the interview. An applicant meeting these minimum standards is eligible to be considered, but may 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://msa.iusm.iu.edu/hpp/admissions/>.
- 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 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

None is required.

Credit Hours Required Prior to Beginning Professional Program

80 credit hours must be completed (includes credit hours taken for Associate degree in Radiography) before beginning the professional program for MIT.

Personal statement

None is 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, such as the A.S. in Radiography Program (required before pursuing the MIT degree). Satisfying the basic admission requirements does not guarantee acceptance into the program and admission criteria are subject to annual review. 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.
- Admission to the MIT program can be competitive, depending on the applicant pool and major clinical option.

SELECTION CRITERIA

Eligibility for admission into the MIT program requires that the student has a current, unrestricted registration as a radiographer with the American Registry of Radiologic Technologists (ARRT).

Selection based on the following factors: Cumulative GPA (40%), RT GPA (20%), Clinical RT GPA (20%) and Science/Math GPA (20%).

PROFESSIONAL PROGRAM STARTING DATE

The professional program in Indianapolis begins once a year in late June (IUPUI Summer Session II starting date). Continuous enrollment of 10 1/2 months for students interested in MRI, CT, or Interventional Radiography tracks. Students interested in ultrasonography are now required to enroll in additional clinical hours as mentioned below.

NOTE: The Radiologic Sciences Program Faculty announced that students planning to focus on ultrasonography track will be required to enroll in additional clinical course hours. This is a change from what is shown in the program's section of the 2008-2010 IUPUI Campus Bulletin. Students will enroll in additional courses in summer and fall and will be candidates for the degree in December. Students interested in other tracks (e.g., interventional procedures, computed tomography, and magnetic resonance imaging) will not be impacted by this curricular change. For more details on this change, contact the Program Office at (317) 274-3802.

CAREER INFORMATION

- Entry-level salaries range from \$45,000 to \$62,000 per year, depending on which clinical practice is pursued. Salaries range from \$52,000-80,000 after five years. See the following Bureau of Labor Statistics website for more salary info: <http://www.bls.gov/oco/ocos273.htm>.
- Good job market for graduates.

PROGRAM CONTACT INFORMATION

IUPUI

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We encourage you to use e-mail to ask questions and to communicate with our HPPLC advisors concerning medical imaging 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 listserve 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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