

# HEALTH PROFESSIONS AND PRELAW CENTER

Indiana University Bloomington ■ University Division ■ Maxwell Hall 010 ■ Bloomington IN 47405  
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## RADIOLOGIC SCIENCES – RADIOGRAPHY

### Associate of Science (A.S.) Degree

**Definition:** Radiographers use x-rays to produce photographic images of body structure. These images are then used to diagnose and treat diseases and injuries. Radiographers may also assist physicians in performing other complex examination procedures.

The Indiana University School of Medicine Department of Radiology offers a program leading to an Associate's Degree in Radiography. The two-year curriculum requires that professional and clinical work be completed at the Indiana University Medical Center in Indianapolis. Students may enter this degree program from high school or college. 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. 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 for more info about IUPUI's program: <http://medicine.iu.edu/hpp>, click on 'How to Apply.'

COURSES REQUIRED FOR ADMISSION <sup>1</sup>	Credit Hours
<b>Written Communication</b> English Composition, ENG-W 131	3
<b>College Mathematics</b> Precalculus, MATH-M 025 or higher	3-4
<b>TOTAL CREDIT HOURS REQUIRED FOR ADMISSION</b>	<b>6-7</b>

Students choosing to spend a year or more on the Bloomington campus should also include some of the general education requirements for the Associate Degree in their coursework. Students who plan to continue with a Bachelor of Science degree program related to Radiography should also consider taking the prerequisites for admission to those programs as well. **Please refer to IUPUI program-specific handouts produced by the Health Professions and Prelaw Center for information about admission to their Bachelor of Science programs.**

GENERAL EDUCATION REQUIREMENTS <sup>1</sup>	Credit Hours
<b>Verbal Communication</b> Public Speaking, CMCL-C 121; or Interpersonal Communication, CMCL-C 122	3
<b>Social and Behavioral Sciences</b> Intro to Psychology I, PSY-P 101 ( <i>preferred</i> ) <sup>2,3</sup> . Sociology or Anthropology courses are also acceptable.	3
<b>Biology</b> Human Anatomy, ANAT-A 215 (includes lab)	5
Human Physiology, PHSL-P 215 (includes lab)	5
<b>Medical Terminology</b> Medical Terminology, CLAS-C 209	2
<b>Electives</b> ( <i>your choice, see next page</i> )	

<sup>1</sup> A minimum grade of "C" (not "C-") is required for all courses required for admission and general education courses (pre-professional courses).

<sup>2</sup> Grade for PSY-P 101 will not count as part of the math/science GPA.

<sup>3</sup> 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.

**NOTE: The associate's degree in Radiography must be completed before admission to the Medical Imaging Technology program but not before admission to the Nuclear Medicine Technology program.**

### Suggestions for “Electives”

Electives allow students to explore other areas of interest and broaden their education. Additional courses will allow for flexibility in career planning. In addition to the courses listed below, you may wish to choose courses that will apply towards a minor or an alternative major.

**Physics electives:** Physics in the Modern World, PHYS-P 101, is strongly recommended because it is required for admission to the Medical Imaging and Nuclear Med Technology programs. Students interested in the Radiation Therapy program should choose General Physics I, PHYS-P 201, instead.

**Chemistry Electives:** Elementary Chemistry I lecture and lab (CHEM-C 101/121) and Elementary Chemistry II lecture and lab (CHEM-C 102/122) are also recommended. The first semester of chemistry lecture is required for admission to the Medical Imaging program (CHEM-C 101). Both semesters of lecture and lab are required for admission to the Nuclear Medicine Technology program.

## ADMISSION REQUIREMENTS AND STATISTICS

### Shadowing and Observation

On-site observation in a hospital radiology department is recommended for admission to the Radiography A.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” and “Program Specific Requirements”.

### Volunteering and Other Professional Development

None required for the Radiography A.S. program. However, you will be at a disadvantage when competing with other applicants if you do not observe radiographers in a patient care setting. (See “Admission Issues, Suggestions and Notes” below.)

### Grade Point Average (GPA)

For qualified applicants for the Summer Session II class of 2009 at the time of selection (a grade of “A+” is calculated as a 4.3):

- mean GPA = 3.72 (range: 3.29 – 4.19)
- mean math/science GPA = 3.69 (range: 3.16 - 4.30)
- applicants: 188, offered admission: 43, class size: 37

### Admission Test

Not required for the Radiography A.S. program.

### 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. *Caution: 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 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..
- Only the top 74 applicants, selected by ranking points (see “Selection Criteria” below).
- Applicants are usually notified by March.

## Credit Hours Required Prior to Beginning Professional Program

See information in the "Selection Criteria" section below.

## 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, such as the A.S. in Radiography Program. 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

- The questionnaire and interview will assume that the applicant has first hand occupation knowledge of radiography. A high GPA will **NOT** make up for a lack of actual observation of one or more radiographers in a radiology environment. It is best if the applicant has some pertinent experience in a patient care setting.
- 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. and Canada, visit The Joint Review Committee on Education in Radiologic Technology: <http://www.jrcert.org/>.

## SELECTION CRITERIA

- 1) **High School/College Record:** See the requirements for admission to Radiography from high school in the IUPUI Bulletin (<http://bulletin.iupui.edu>, click on the School of Medicine). If these standards are not met, students must have completed, or be in the process of completing, 12 college credit hours prior to applying to the Radiography program at IUPUI. These 12 credit hours must include English composition and one of the math prerequisites.
  - 2) **Ranking Points for Admission:** Students with 12 or more college credits can have a maximum of 115 ranking points, including 15 **bonus points**, available to them when they apply/reapply. Ranking points available are as follows:
    - cumulative GPA = 50 points
    - math/science GPA = 25 points
    - admission interview = 25 points
    - 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).
- Bonus points**, in addition to the ranking points, are awarded as follows:
- A.S. general education coursework completed (7 points maximum).
  - Extensive field exploration or experience in health care (2 points maximum).
  - Reapplication (4 points).

## 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 22.5 months is required to complete the program.

## CAREER INFORMATION

- Upon successful completion of required coursework, the student is awarded an Associate of Science Degree in Radiography from Indiana University and is eligible to take the certification examination given by the American Registry of Radiologic Technologists. Having successfully passed this examination, the student is classified as a Registered Radiologic Technologist, R.T. (R).
- Job market is good. There is a demand for A.S. graduates.
- Entry-level salaries range from \$31,000 to \$39,000 in Indianapolis. (See Bureau of Labor Statistics website for more salary info: <http://www.bls.gov/oco/ocos105.htm>).
- View a podcast of recent Radiography students and hear about their experiences in the IUPUI program: <http://www.iupui.edu/hls/undergrad/radiography.html>.

## **PROGRAM CONTACT INFORMATION**

### **IUPUI**

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### **IPFW**

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### **IU Kokomo**

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### **IU Northwest**

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### **IU South Bend**

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Website: <http://www.iusb.edu/~radaht/>

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We encourage you to use e-mail to ask questions and to communicate with our HPPLC advisors concerning radiography programs not only at IUPUI but nationwide as well. Send e-mail 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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