

INDIANA UNIVERSITY SCHOOL OF MEDICINE
HEALTH PROFESSIONS PROGRAMS

RADIOLOGIC SCIENCES
BACHELOR OF SCIENCE IN MEDICAL IMAGING TECHNOLOGY

PREREQUISITES

THE FOLLOWING ARE IUPUI COURSE NUMBERS AND HOURS

WRITTEN COMMUNICATION (Two Courses)

ENG-W 131 (English Comp. 1) _____3cr

ENG-W 231 (Prof. Writing Skills)
or other composition course _____3cr

VERBAL COMMUNICATION (One Course)

COMM-R 110 (Public Speaking)
or COMM-C 180 (Interpersonal) _____3cr

MATHEMATICS (One Course)

MATH 153 (Algebra/Trig. 1)
or MATH-M 119 (Brief Survey of Calculus)
or Math-M 118 (Finite Math) _____3cr

PHYSICAL AND BIOLOGICAL SCIENCES*

*Must have a minimum of 15 total credit hours from Physical and Biological Sciences.

BIOLOGY (Two Courses with Laboratory)

BIOL-N 212/213 (Human Biology 1) **and**
BIOL-N 214/215 (Human Biology 2)

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BIOL-N 261 (Human Anatomy) **and**
BIOL-N 217 (Human Physiology)

BIOL _____ 4-5cr

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CHEMISTRY (One Course)

CHEM-C 101 (Elementary Chemistry 1)
or CHEM-C 105 (Principles of Chemistry 1) _____3cr

PHYSICS (One Course)

PHYS 100 (Physics in Modern World)
or PHYS-P 201 (Physics in Life Sciences)
or PHYS 218 (General Physics) _____4-5cr

SOCIAL/BEHAVIORAL SCIENCES (Two Courses)

PSY-B 104 (Psych/Social Science) **or**
PSY- B 105 (Psych/Biol. Science) _____3cr

Choose **one** additional course from PSY-B, SOC-R, or ANTH-A. Courses from other approved departments may be taken upon request.

➤ Elective _____ 3cr

STATISTICS (One Course)

STAT 301 (Elementary Statistical Methods)
SPEA-K 300 (Statistical Techniques)
PSY-B 305 (Statistics) **or** equivalent _____3cr

➤ **MEDICAL TERMINOLOGY** (One Course)

CLAS-C 209 (Medical Terms Greek/Latin)
or HIA-M 330 (Medical Terminology)
or RADI-R 108 (Medical Terminology) _____1-2cr

➤ **HUMANITIES** (One Course)

An approved list of courses in departments eligible to meet this requirement is available by request.

Elective _____ 3cr

RADIOGRAPHY COURSES/CREDENTIAL

In order to enter this program, a student must be a registered radiographer (ARRT). If you are not a radiographer, please see Radiography course information.

Radiography Courses/Credential* 40cr

*Student receiving credit by credential may need additional electives to meet the credit hours required for entry.

➤ These courses can be completed either prior to or during the professional program.

TOTAL CR HRS REQUIRED FOR ENTRY= 80

BACHELOR OF SCIENCE IN MEDICAL IMAGING TECHNOLOGY

In order to enter this program, a student must be a registered radiographer (ARRT). If you are not a radiographer, please see Associate in Science in Radiography course information.

The following is a suggested plan for completing the Bachelor of Science in Medical Imaging Technology prerequisites; variations of this schedule can be made. Please check with your advisor to be sure all admission requirements are being met.

	FALL	SPRING
FIRST YEAR	English Composition 1 3cr *Introductory Psychology 3cr Algebra/Trig 1 or Calculus 3cr *Human Biology/Anatomy <u>4-5cr</u> Total 13-14cr	*Public Speaking or Interpersonal Communication 3cr Professional Writing Skills 3cr Statistics 3cr *Human Biology/Physiology <u>4-5cr</u> Total 13-14cr
SECOND YEAR & THIRD YEAR	Radiography Program (<i>If Accepted</i>) <i>Chemistry</i> and <i>Physics</i> are prerequisites and may be taken before, during or after the Radiography program. The must be completed prior to entry. <i>Humanities</i> and <i>Social/Behavioral Sciences Electives</i> are graduation requirements and may be taken before (recommended) or during the Medical Imaging Technology Program.	

* These courses are part of the Associate Degree in Radiography curriculum.

SUGGESTED ELECTIVES

A total of **80** credit hours are needed before entering the Bachelor of Science in Medical Imaging Technology Program. All Health Professions Programs courses required for Radiography are included in the 80 credit hours requirements. Additional electives might be needed to meet this 80 credit hour requirement and to meet the 122 credit hour requirement needed for graduation.

A BRIEF SUMMARY OF SCHOOL AND PROGRAM ADMISSION REQUIREMENTS

For a complete list, see the School of Medicine Health Professions Programs section in the IUPUI Bulletin. Completion of requirements does not guarantee admission into the program. Competitive grade point averages are generally higher than the stated minimums.

- Credit hours needed prior to entrance..... 80 credits
- Minimum Grade Point Averages needed Cumulative 2.80
 Life and Physical Sciences 2.50
 Radiologic Tech Courses 3.00
- Minimum grade needed in prerequisites C (2.00)
- Interview required No, Students must identify major track at
 time of application.
- Application Deadline November 15th - year prior to entry
- Evidence of registration or eligibility for registration in radiography by the American Registry of Radiologic Technology (ARRT) required at time of application.

For advising assistance, please contact Health Professions Programs Office at (317) 278-4752, Medical Science Room 259D, askhpp@iupui.edu, or visit us on the web at <http://medicine.iu.edu/hpp>.

THIS SHEET IS FOR ADVISING PURPOSES ONLY. PLEASE REFER TO SCHOOL OF MEDICINE HEALTH PROFESSIONS PROGRAMS SECTION OF THE IUPUI BULLETIN FOR ALL PROGRAM REQUIREMENTS.

NOTE: The Medical Imaging Program recently announced that students entering the program in summer 2009 who want to focus on ultrasonography will be required to complete additional clinical training hours. This will extend the length of the program through the following summer and fall terms. More information will be provided about this track in the upcoming weeks. Students interested in other tracks (e.g., intervention, computer tomography, and magnetic resonance imaging) are not impacted by this change.