

# **Bachelor of Science**

**Radiologic Sciences:**

# **Medical Imaging Technology**

MITs are radiographers who have completed additional education in advanced image production. They use interventional radiology, computed tomography, magnetic resonance imaging, and/or sonography as the imaging modality.

SCHOOL OF MEDICINE HEALTH PROFESSIONS PROGRAMS  
INDIANA UNIVERSITY SYSTEM COURSE EQUIVALENTS

**BACHELOR OF SCIENCE IN MEDICAL IMAGING TECHNOLOGY PREREQUISITES  
A.R.R.T. CERTIFICATION AND GENERAL EDUCATION REQUIREMENTS**

Advisors should always check to make sure students have completed any needed prerequisites for each of the courses listed above.


COURSES	IUB	IUPUI	IUPUC	IUE	IPFW	IUK	IUN	IUSB	IUS
<b>Written Communication</b> (Two Courses)	ENG-W 131* & 231**	ENG-W 131 & 231**	ENG-W 131 & 231**	ENG-W 131 & 231**	ENG-W 131 & 233**	ENG-W 131 & 231**	ENG-W 131 & 231**	ENG-W 131 & 231**	ENG-W 131* & 231**
*Check specific campus bulletin for other equivalents to ENG-W 131 **ENG-W 231/233 is the preferred course. ENG-W 132 at IUPUI (and other campuses) can be substituted. COAS-W 333 Intensive Writing at IUB (and other campuses) combined with another course will also satisfy the second written communication requirement.									
<b>Verbal Communication</b> (One Course)	CMCL-C 121 or 122	COMM-R 110 or C 180	COMM-R 110 or C 180	SPCH-S 121 or CMCL-C 122	COM 114 or 212	SPCH-S 121 or 122	SPCH-S 121 or 122	SPCH-S 121 or 122	SPCH-S 121 or 122
<b>Humanities</b> (One Course)	APPROVED SUBJECT AREAS INCLUDE: <b>Minimum of 3.0 cr hrs.</b> Classical studies, literature, English, film studies, folklore, foreign language, history, journalism, philosophy, religion, speech communication (additional course), minority studies, visual and performing arts. Other areas can be taken with approval of the program's admissions committee.								
<b>Social /Behavioral Sciences</b> (Two Courses)	PSY-P 101 or 102 & one elective	PSY-B 104 or 105 & one elective	PSY-B 104 or 105 & one elective	PSY-P 103 & one elective	PSY 120 & one elective	PSY-P 103 & one elective	PSY-P 101 & one elective	PSY-P 103 & one elective	PSY-P 101 & one elective
APPROVED ELECTIVE SUBJECT AREAS INCLUDE: Psychology, Sociology, and Anthropology (Preferred). Other content areas such as Economics, Minority Studies, and Political Science will be accepted upon approval (based on course content).									
<b>NOTE: Humanities and Social/Behavioral Sciences electives are graduation requirements. Both courses can be completed (if necessary) after starting the program.</b>									
<b>College Algebra, Trigonometry, or Calculus</b> (One Course)	MATH M025 or M119 or M118	MATH 153 or M119 or M118	MATH M025 or M119 or M118	MATH M025 or M119 or M118	MATH 153 or 229	MATH M025 or M119 or M118	MATH M025 or M119 or M118	MATH M025 or M119 or M118	MATH M025 or M119 or M118
<b>Statistics</b> (One Course) <i>Other equivalents can be substituted</i>	MATH-K 300 or PSY-K 300	STAT 301 or PSY-B 305 or SPEA-K 300	STAT 301 or PSY-B 305	MATH-K 300 or PSY-K 300	STAT 301 or PSY 201	STAT 301 or PSY-K 300	PSY-K 300 or SPEA-K 300	MATH-K 310 or SPEA-K 300	MATH-K 300 or ECON-E 280
<b>Medical Terminology</b> ☒ (One Course)	CLAS C209	CLAS C209, RADI R108, or HIA M330		NURS A111	BIOL 105 or AHLT R185	CLAS C209	AHLT R185	AHLT R185 or NURS ZB105	AHLT M195
<b>Physical and Biological Sciences – Minimum of 15.0 Credit Hours</b>									
<b>Elementary Chemistry</b>	CHEM C101, C103, or C105	CHEM C101 or C105	CHEM C101 or C105	CHEM C101, C105, or C108	CHM 111 or 115	CHEM C101 or C105	CHEM C101 or C105	CHEM C101 or C105	CHEM C101 or C105
<b>Human Anatomy w/lab</b>	ANAT A215	BIOL N212 & N213 & N214 & N215 or N261 & N217	BIOL N212 & N213 & N214 & N215 or N261 & N217	ANAT A215 & PHSL P215 <b>OR</b> PHSL 261 & 262	BIOL 203 or 215	ANAT A215	PHSL P261	PHSL P261	ANAT A215
<b>Human Physiology w/lab</b>	PHSL P215				BIOL 204 or 216	PHSL P215	PHSL P262	PHSL P262	PHSL P215
<b>Physics</b> 📖	PHYS P101 or P201	PHYS 100 or 200 or P201 or 218	PHYS 218	PHYS P201	PHYS 201 or 218 or 220	PHYS P100 or P201	PHYS P101 or P201	PHYS P100 or P201	PHYS P100 or P201



📖 PHYS-P 101 by correspondence is acceptable | ☒ CLAS-C 209 is available through correspondence

SCHOOL OF MEDICINE HEALTH PROFESSIONS PROGRAMS  
OTHER INDIANA COLLEGE/UNIVERSITY COURSE EQUIVALENTS

**MEDICAL IMAGING TECHNOLOGY B.S. PREREQUISITES**  
**A.R.R.T. CERTIFICATION AND GENERAL EDUCATION REQUIREMENTS**

Advisors should always check to make sure students have completed any needed prerequisites for each of the courses listed above.

Courses	Ball State University	Butler University	Indiana State University	Ivy Tech - Indpls	Marian College	Purdue - Calumet	Purdue - West Lafayette	Univ of Indpls	Univ of Southern Indiana	Vincennes University
<b>Written Communication</b> (Two Courses)	ENG 103 & 104	EN 102 & 201	ENG 101 & 105 or 107 & 305	ENG 111 & 112	ENG 101 & 115	ENGL 104 & 105	ENGL 106 & One upper level writing course	ENG 101 & 102	ENG 101 & 201	ENGL 101 & 102
<b>Verbal Communication</b> (One Course)	COMM 210 or 240	COMM 102	COMM 101 or 202	COM 101 or 102	COM 101	COM 114	COM 114	COMM 100	CMST 101 or 107	SPCH 143 or 148
<b>Humanities</b> (One Course)	APPROVED SUBJECT AREAS INCLUDE: <b>Minimum of 3.0 cr hrs.</b> Classical studies, literature, English, film studies, folklore, foreign language, history, journalism, philosophy, religion, speech communication (additional course), minority studies, visual and performing arts. Other areas can be taken with approval of the program's admissions committee.									
<b>Social/Behavioral Sciences</b> (Two Courses)	PSYCH 100	PS 101	PSY 101	PSY 101	PSY 101	PSY 120	PSY 120	PSY 120	PSY 201	PSYC 141 or 142
	APPROVED ELECTIVE SUBJECT AREAS INCLUDE: Psychology, Sociology, and Anthropology (Preferred). Other content areas such as Economics, Minority Studies, and Political Science will be accepted upon approval (based on course content).									
<b>NOTE: Humanities and Social/Behavioral Sciences electives are graduation requirements. Both courses can be completed (if necessary) after starting the program.</b>										
<b>College Algebra, Trigonometry, or Calculus</b>	MATH 111 or 112	MA 106	MATH 115 or 131	MAT 136 or 131 or 201	MAT 230	MA 153 or 154 or 159	MA 153 or 154 or 159	MATH 180 or 190	MATH 112 or 115	MATH 102 or 104 or 115
<b>Statistics</b> (One Course) <i>Other equivalents can be substituted</i>	MATHS 221 or ECON 221 or equivalent	MA 260 or PS 310 or equivalent	MATH 241, PSY 375, HLTH 340 or equivalent	MAT 115	PSY 205, BUS 205, MAT 130 or equivalent	STAT 301, BIOL 330, BHS 201 or equivalent	STAT 301, SOC 382 or equivalent	MATH 220 or equivalent	PSY 303, MATH 241 or equivalent	MATH 110 or equivalent
<b>Medical Terminology</b>	CC 102 or NUR 101	✉	✉	HHS 101	✉	✉	HSCI 131	✉	HP 115	HIMT 110
<b>Physical and Biological Sciences – Minimum of 15.0 Credit Hours</b>										
<b>Chemistry</b>	CHEM 101 or higher	CH 101 or higher	CHEM 100 or 103 or 105	CHM 111	CHE 151 or higher	CHM 111 & 112 or 115	CHM 111 & 112 or 115	CHEM 104 or 150	CHEM 107 or higher	LFSC/LFSL 100 or 105
<b>Human Anatomy &amp; Human Physiology w/lab</b>	ANAT 201 & PHSL 210 & 211	BI 257 & PX 315	LIFS 231/231L 241/241L	ANP 101 & 102 & 201	BIO 223 & 224	BIOL 213 & 214	BIOL 203 & 204 or 301 & 302	BIOL 103 & 104	BIOL 121 & 122	LFSC/LFSL 111 & 112 & 212 or LFSC 211 & 212
<b>Physics</b> 	PHYCS 110 or higher	PH 107 or 201	PHYS 101 w/ lab	PHY 101	PHY 210	PHYS 208 or 220	PHYS 218 or 220	PHYS 150	PHYS 101	PHYS/PHYL 105

-  CLAS C209 Medical Terminology is available through IU correspondence course work
-  PHYS-P 101 by correspondence is also acceptable



## Program Admission Information Sheet – 2009

Program: MEDICAL IMAGING TECHNOLOGY, B.S.

Revised 03/09

<b>Application Deadline:</b>	November 15								
<b>Admission Criteria:</b> Factors used in determining the rank order that <b>are not</b> part of the published criteria that might have academic advising implications. (e.g., weighted components, nature of electives, residency preference, etc.)	Selection based on the following factors: <table style="margin-left: 20px;"> <tr> <td>Cumulative GPA</td> <td style="text-align: right;">40%</td> </tr> <tr> <td>RT GPA</td> <td style="text-align: right;">20%</td> </tr> <tr> <td>Clinical RT GPA</td> <td style="text-align: right;">20%</td> </tr> <tr> <td>Science/Math GPA</td> <td style="text-align: right;">20%</td> </tr> </table> Minimum scores (4.00 scale) 2.00 total index  Indiana residents accepted prior to out-of-state residents.	Cumulative GPA	40%	RT GPA	20%	Clinical RT GPA	20%	Science/Math GPA	20%
Cumulative GPA	40%								
RT GPA	20%								
Clinical RT GPA	20%								
Science/Math GPA	20%								
<b>Component GPA</b> (if used): Explain what is included (excluded). Please be specific.	RT GPA - all radiography courses Clinical RT GPA – all clinically related courses  Science/math GPA - all natural, math, computer science courses; first aid, nature of cancer, and nutrition courses; all psychology courses coded N&M								
<b>Interview</b> When is the interview conducted? How long is the interview? How many interviewers? What is the make-up of the interview team? Briefly describe the interview.  What suggestions do you have to help applicants prepare?  Date by which an applicant should contact the program if he/she has not heard from the program about an interview date or that he/she is not qualified.  Date by which admission decisions are made (hopefully).	There is <b><u>no</u></b> interview required.  Type questionnaire (especially if handwriting is poor). Check grammar and spelling on questionnaire and essay. Applicants should list area of interest (major) on the application.  Approximately February 15 <sup>th</sup>  March 15 <sup>st</sup>								

## Program Fact Sheet – 2009

Program: MEDICAL IMAGING TECHNOLOGY, B.S.

Revised 03/09

<p><b>Professional Curriculum:</b> Describe the nature of the professional program. How intense is it? Are there any unique characteristics or demands?</p>	<p>Senior year starts Summer II at IUPUI. Continuous enrollment for 10 ½ months (MRI, CT, IR majors) or 16 months (Sonography majors). Students are in classes or clinic during the fall and spring semesters from approximately 8:00AM to 4:00PM (M through F) Sonography Majors continue these hours during the summer semester. Students are able to work as radiographers, usually part time, during the MIT program at IUMC hospitals or other radiography departments. General education and radiography credits may be completed at another university or IU campus when available. Radiography special credit may be granted for hospital based education. Students who have completed all general education prerequisite course work before or during a radiography program may apply for direct entry into the MIT program for the final (senior) year.</p>
<p><b>Credentials:</b> What is the credential required to practice?  Are there specialty credentials?  What is the procedure for obtaining the necessary credentials?</p>	<p>ARRT(R) certification &amp; state licensure, when required. Exception: ultrasound &amp; MRI in some states  Yes: ultrasound; interventional radiology; MRI; and CT  Complete required program or training then pass appropriate credentialing exam.</p>
<p><b>Competitiveness:</b> How competitive is admission to the program?  What changes do you foresee in the next year? Two years?</p>	<p>Depends on applicant pool and number of clinical major spots available.  addition of non-clinical majors</p>
<p><b>Placement Statistics:</b> In Indiana?  Outside Indiana?</p>	<p>All past graduates have employment. Good job market for graduates.  Similar expectations throughout the country.</p>
<p><b>Salary Range:</b> Entry level? Five years of experience?</p>	<p>\$45,000 – 62,000 per year* \$52,000 – 80,000 per year* * Depends on major-ultrasound and MRI are normally the highest</p>