

# Radiologic & Imaging Sciences

## A PROGRAM GUIDE

Application Deadline:  
September 15



Radiologic technology is the science of using radiation or radioactive substances in a controlled manner for the diagnosis of illness or injury and the treatment of disease. The Radiologic & Imaging Sciences program at the University of Southern Indiana prepares individuals to function effectively as entry-level radiographers. Radiographers are radiologic technologists who, under the direction of a physician, perform radiologic (x-ray) examinations of all parts of the human body.

The Radiologic & Imaging Sciences Program provides a curriculum which includes didactic courses in conjunction with laboratory and clinical experiences. The curriculum consists of 1½ years of pre-requisite general education courses and 2½ years of professional education course work. Completion of these 4 years results in a baccalaureate degree in Radiologic and Imaging Sciences. Students meeting all American Registry of Radiologic Technologists (ARRT) requirements will be eligible to take the national certification examination. The program is accredited by the Joint Review Committee on Education in Radiologic Technology.

### ADMISSION TO THE RADIOLOGIC TECHNOLOGY PROGRAM

Prospective students must be accepted for admission to USI before being considered for admission to the Radiologic & Imaging Sciences Program. Applicants must have graduated from high school and have completed all program prerequisite courses with a minimum grade point average of 3.0 (4.0 scale). Official university transcripts must be submitted to the University or program as part of the admission procedure. Program application, accompanying required documents and transcripts must be received by **September 15** of the year the student desires admission to the program. The admission process follows the University's *Student's Rights and Responsibilities* on discrimination: "Each student has the right to be free from discrimination, including harassment, on the basis of race, sex, religion, disability, age, national origin, sexual orientation, or veteran status." Applicants meeting academic requirements must be in good health, meet all ARRT certification and ethics requirements and be capable of fulfilling the essential functions of a radiologic technologist.

The student selection process involves a review of all required documents and an interview by the program admission committee. This committee consists of the program faculty and clinical instructors from each clinical site. Applicants are informed when to schedule the interview via email from the RT program director or his designee. All interviews are conducted privately and by appointment only. The committee's decision is conveyed by letter within approximately two weeks after all interviews are completed.

It is strongly recommended that applicants observe a minimum of 20 hours in a radiology department to gain understanding of basic radiologic procedures prior to **September 15**. Credit toward admission into the program will be given to applicants with previous health care experience.

Individuals whose applications are incomplete or unsatisfactory will be notified. In order to be interviewed, all inadequacies must be corrected.

The RT program is limited in the number of students that may be accepted each year. USI, in collaboration with clinical affiliates, reserves the right to determine the number of students enrolled in each beginning class. Total admission can not exceed the maximum number established by the Joint Review Committee on Education in Radiologic Technology.

Prior to beginning the professional radiology courses, admitted students must submit a medical history and results of a physical examination, drug screen, criminal check, immunization records, documentation of current tuberculosis test status, documentation of completion of Hepatitis B vaccination (3 part series), and documentation of CPR certification at the health profession level. Other vaccinations may be required by the clinical educational affiliate.

Students admitted to the program must complete all professional course work (RADT/DMS) with the grade of C or better to progress in the program.

## PROGRAM FEES FOR RADIOLOGIC TECHNOLOGY

The expenses of the program include tuition and fees, books and uniforms. For information on current charges for tuition and fees, contact the USI Office of Admissions at 812/464-1765. Books required during the program will cost approximately \$1200-\$1500 and uniforms approximately \$250-\$500. These expenses can vary and are subject to change. The program uses an online clinical management system that students purchase during their first Spring semester. The cost for the management system is \$150. Students also incur fees to complete required CPR, drug screen, background check, and necessary immunizations. Students purchase an online document system at the cost of \$135 after notification of admission into the program. All health and medical related files are kept in this online system. If housing is required, information on cost and availability can also be obtained through the Office of Admissions. Financial aid information can be obtained through the Office of Student Financial Assistance at 812/464-1767. Students also need reliable transportation to travel to clinical education, which may be up to 70 miles away. Fuel expenses for travel to clinical education will also be incurred. Please see the student handbook for additional fee information.



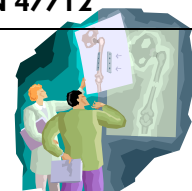
### CHECKLIST FOR APPLICATION PROCESS

- **Apply to the University of Southern Indiana (complete admissions process)**
- **Declare Radiologic & Imaging Sciences as your major with Registrar's office**
- **Enroll in and complete prerequisite courses for RADT program**
- **File an application with Radiologic and Imaging Sciences program**
- **Submit copies of any completed degrees or diplomas with application**
- **Provide 2 copies of a narrative addressing the questions below. One copy is signed and dated. The student ID number should replace the student name on the second copy and be void of any other identifiers.**
  - ◇ **Why do you believe you are a good candidate for this program?**
  - ◇ **What are your career goals?**
  - ◇ **Do you have any health care experience? If so, explain in what capacity, length of time, and what you gained from the experience.**
  - ◇ **What have you learned through your volunteer experiences within a radiology department?**
- **Request transcripts from all colleges (not USI transcripts) to be sent to address below, if not on file at USI**

**Submit all materials no later than September 15 of the year you wish to be considered for admission to Radiologic Technology program to:**

**Radiologic Technology  
College of Nursing and Health Professions  
University of Southern Indiana, 8600 University Boulevard, Evansville IN 47712**

For more information, contact:  
USI Radiologic and Imaging Sciences Program  
812/465-1181



# 2024 Bachelor of Science—Radiologic and Imaging Sciences

## First Year

### Fall

ENG 101 Rhetoric & Composition I	3
CMST 101 Introduction to Speech <i>or</i>	
CMST 107 Interpersonal Communication	3
MATH 114/215/230 College Algebra	3
BIOL 121 Anatomy & Physiology I	4
UNIV 101 Freshman Seminar	1
HP 115 Medical Terminology	2
	16

### Spring

ENG 201 Rhetoric & Composition II	3
BIOL 122 Anatomy & Physiology II	4
PHYS (PHYS 101 or higher)	3
RADT 196 Orientation to Radiographic & Imaging Sciences	2
Social Sciences	3
	15

## Second Year

### Fall

Creative & Aesthetic Expression <i>or</i> History Inquiry <i>or</i>	
World Language & Culture	3
HP 356 Ethics & Healthcare in a Pluralistic Society	3
Social Inquiry	3
World Language & Culture	3
	12

### Spring

DMS 301 Patient Care for Imaging Science Professionals	2
RADT 308 Radiographic Procedures I	3
RADT 311 Introduction to Radiographic Technology	3
RADT 427 Digital Rad. & Imaging Informatics	3
KIN 192	1
	12

## Summer I, II, III (15 weeks)

RADT 312 Radiographic Exposure	3
RADT 313 Radiographic Procedures II	3
RADT 333 Clinical Practicum I	2
	8

## Third Year

### Fall

RADT 316 Radiographic Procedures III	3
RADT 334 Radiographic Physics	3
RADT 343 Clinical Practicum II	2
RADT 411 CT/MRI Physics & Instrumentation	3
RADT 412 Advanced Radiographic Exposure & Mobile Radiography	3
	14

### Spring

RADT 318 Radiographic Procedures IV	3
RADT 335 Radiation Biology	2
RADT 337 Intro. to Invasive Imaging Procedures	3
RADT 353 Clinical Practicum III	2
RADT 413 CT/MRI Procedures I	3
	13

## Summer I, II, III (15 weeks)

RADT 415 CT/MRI Procedures II	3
RADT 435 Clinical Practicum IV	3
	6

## Fourth Year

### Fall

RADT 345 Radiography Pathology	3
RADT 424 Rad. & Imag. Sci. Practice & Management	3
RADT 425 Radiographic Critique	3
RADT 445 Clinical Practicum V	3
	12

### Spring

EEG-Global	3
RADT 355 Adv. Patient Care for Imaging Sciences	3
RADT 455 Clinical Practicum VI	3
RADT 491 Prof. Dev. & Literacy in Imaging Sciences	3
	12

## Other Information:

- Classes in *Italics* (yellow box) must be completed prior to applying for RADT program. In addition, classes in Fall of Second Year must be completed or in progress to apply to the program. The admission GPA grade will be made from the course grades identified in Fall and Spring of first year.
- ALL DMS, RADT COURSES and ENG 101, 201, BIOL 121, BIOL 122, MATH 114, PHYS 101 or higher & HP 115 must be completed with a grade of "C" or better for graduation
- Students who apply to the program and already have obtained a BS degree must complete the following courses with a C or better prior to applying: ENG 101, ENG 201, BIOL 121, BIOL 122, MATH 114, PHYS 101 or higher, RADT 196 & HP 115. IPH 356 is an additional course that would need to be completed prior to graduation with a C or better.

Students admitted to the program are assigned a home clinical site, but rotate through other clinical facilities. Students may be assigned or rotate through a clinical facility that will require travel up to seventy miles away from the University. Clinical hours are routinely scheduled during day shift hours (5 a.m.– 7 p.m. CST). Students may elect rotations in their last semester of clinical for shifts on non-day hours (evenings and nights). For detailed information on clinical assignment or hours, please see the student handbook located on the Program's web-site.

# ***Radiologic & Imaging Sciences***

## ***Entrance Requirements/Guidelines for Admissions***

### **ADMISSION TO THE RADIOLOGIC TECHNOLOGY PROGRAM**

Prospective students must be accepted for admission to USI before being considered for admission to the Radiologic & Imaging Sciences Program. The program is limited in the number of students that may be accepted each year. USI, in collaboration with the clinical affiliates, reserves the right to determine the number of students enrolled in each beginning class. Total admission can not exceed the maximum number established by the Joint Review Committee on Education in Radiologic Technology.

1. Applicants must have graduated from high school and have completed program prerequisite courses with a minimum grade point average of 3.0 (4.0 scale). The 3.0 GPA is not the cumulative GPA. This GPA is calculated based on the grades received from only the courses identified to be completed in the Fall and Spring semester of the First year. The prerequisite courses identified in the Fall of second year must be completed or in progress in order to be eligible to apply. Please see the curriculum plan for prerequisite courses. Sciences courses can be no older than 7 years when applying to the program.
2. Official university transcripts from all institutions (other than USI) should be submitted to USI or the program as part of the admission procedure., if not already on file with the registrar's office at USI.
3. Program application and accompanying required documents and transcripts must be received by **September 15** of the year the student desires admission to the program.
4. The admission process follows the University's *Student's Rights and Responsibilities* on discrimination: "Each student has the right to be free from discrimination, including harassment, on the basis of race, sex, religion, disability, age, national origin, sexual orientation, or veteran status." Applicants meeting academic requirements must be in good health, meet all ARRT certification and ethics requirements and be capable of fulfilling the essential functions of a radiologic technologist. Please see the College handbook for essential functions.
5. The student selection process involves a review of all required documents and an interview by the admission committee. This committee consists of the program faculty and clinical instructors from each clinical site. Applicants are informed when to schedule the interview via e-mail or phone call from the program. All interviews are conducted privately and by appointment only. The committee's decision is conveyed by letter after all interviews are completed.
6. The program application must be accompanied by a narrative that addresses these questions: Why do you believe you are a good candidate for this program?; What are your career goals?; Do you have any health care experience? If so, explain in what capacity, length of time, and what you gained from the experience.; What have you learned through your volunteer experiences within a radiology department?. Students must submit 2 copies of the narrative. One copy should include the student's name and signature. The student's identification number should replace the student name on the second copy. The second copy should be void of any identification (student name or signature) on or in the narrative. The narrative should be no longer than 2 pages, double spaced. The narrative will be read and scored by the admissions committee.
7. It is strongly recommended that applicants observe a minimum of 20 hours in a radiology department to gain understanding of basic radiologic procedures prior to **September 15**. This is different than the clinical site tours. Observation in a radiology department can be completed at one of USI's clinical affiliates (listed on the observation & tour form) or at a facility of the student's choice. Documentation of the observation must be submitted at the time of application. Documentation must be validated by the facility where the observation was made. Extra credit towards admissions is given to those students completing a minimum of 20 hours. It is highly recommended that students do not wait until the program deadline to complete observations. Clinical affiliates reserve the right to deny observation at their facility when time or space is limited. Please note completing observations may require the student to have a TB screening, HIPAA class, or facility orientation prior to starting any observations. The student will assume all responsibility for any illness or injury acquired during observation.
8. It is suggested students tour all clinical affiliate sites. The clinical site visit is a tour of the clinical affiliate's radiology department. Students must contact the listed individual on the Observation & Tour Form to set up an appointment. Clinical affiliates reserve the right to deny tours based on their schedules. No additional credit towards admissions will be given to students who have completed visitations to all clinical affiliate sites.
9. Credit toward admission into the Radiologic Technology program will be given to applicants with previous health care experience. Students who have had either direct or indirect patient care in a health care facility may be eligible for extra credit towards admissions. Direct patient care involves having contact with patients or holding a healthcare license. Indirect patient care is working in the health care field, but not having contact with patients or having participated in a health occupations class (HOSA).
10. Individuals whose applications are incomplete or unsatisfactory will be notified. In order to be interviewed, all inadequacies must be corrected immediately.

**UNIVERSITY OF SOUTHERN INDIANA  
COLLEGE OF NURSING AND HEALTH  
PROFESSIONS MISSION**

The USI College of Nursing and Health Professions mission: Advancing health and wellness through visionary leadership, dynamic learning and strategic partnerships.

**UNIVERSITY OF SOUTHERN INDIANA  
RADIOLOGIC TECHNOLOGY**

The University of Southern Indiana Radiologic & Imaging Sciences Program seeks to graduate students with advanced knowledge, innovative technologies and skills development essential for medical imaging professionals to respond as an interdisciplinary team member for the promotion of the health and welfare of diverse patient populations.

**UNIVERSITY OF SOUTHERN INDIANA  
RADIOLOGIC & IMAGING SCIENCES PROGRAM GOALS**

Goal One: Student will promote the health and welfare of patients through critical thinking.

Outcome 1: Students will apply critical thinking to assess and adapt to varying clinical presentation of patients.

Outcome 2: Student will evaluate radiographic images for pathology pertinent to practice.

Goal Two: Student will demonstrate clinical competency as an interdisciplinary team member.

Outcome 1: Student will produce quality radiographic images using advanced technology for proper positioning while providing appropriate patient care.

Outcome 2: Student will apply knowledge of advanced patient assessment.

Goal Three: Student will demonstrate effective interpersonal skills.

Outcome 1: Students will demonstrate effective interdisciplinary communication skills to deliver care to a diverse patient population.

Outcome 2: Student will apply effective interpersonal skills in a healthcare environment.