

## Radiography & Diagnostic Imaging Programs

Cox College offers a direct path for you to gain the education needed to work in multiple areas within the diagnostic imaging field. Students completing the Associate of Science in Radiography (ASR) program are highly skilled in performing diagnostic x-ray procedures and providing patient care in a variety of settings. After successful completion of the ASR program, graduates are eligible to apply to the Bachelor of Science in Diagnostic Imaging (BSDI) degree program.

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### Admission check list

1. Complete & submit the Cox College application along with \$50 application fee through one of the following methods:  
*Priority service date: A minimum of 2 months prior to the start of the semester.*
- Complete the application online at [www.coxcollege.edu](http://www.coxcollege.edu)
  - Request a Cox College application by mail and return it to the College
  - Attend one of our Open House events

You will be contacted by an admissions counselor within 2-3 weeks via email or mail. He/she will let you know what additional documents and/or transcripts are needed.

2. Complete your FAFSA application at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). Our school code is 013877. *Not required but recommended.*  
*Priority service date: A minimum of 4 weeks prior to the start of the semester.*
- Visit [www.FederalStudentAid.ed.gov](http://www.FederalStudentAid.ed.gov) for more info on financial aid.
  - Contact our Financial Aid Department at 417/269-3401 for assistance.

3. Request that all official transcripts be sent to Cox College
- High school transcript or GED.
  - Transcripts from ALL colleges/universities in which you have completed college level courses.
  - It can take up to 3 weeks for us to receive your transcripts once you have requested them to be sent.

4. Complete entrance exam
- You will need to take the TEAS exam if:
    1. You have completed less than 12 college credit hours and have not taken the ACT or SAT within the last 5 years or,
    2. You have an ACT score below 18.
  - Contact your admissions counselor to schedule the exam.

5. Apply to the specific program by the deadline, if you meet the program requirements.

**Mail application and materials to: Cox College • 1423 N. Jefferson Avenue • Springfield, Missouri 65802**  
**Fax: 417/269-3586 • [admissions@coxcollege.edu](mailto:admissions@coxcollege.edu)**

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### **How do you become a Radiologic Technologist (X-Ray Tech)?**

To work as a Radiologic Technologist you must first complete an Associate of Science in Radiography degree program. Graduates will be prepared to take the American Registry of Radiologic Technologists (ARRT) Radiography Credentialing examination. After passing this examination, you will be able to begin your career as a Radiologic Technologist. You are also eligible to apply to the Bachelor of Science in Diagnostic Imaging (BSDI) degree program at Cox College.

### **What are the success rates for the program?**

**ASR:** ARRT Radiography Credentialing examination: 99% first attempt pass rate (5 year average)

## Associate of Science in Radiography

| <u>General Education Requirements</u> |  | <u>Credit Hours</u> | <u>ASR Program Courses</u>                              | <u>Credit Hours</u> |
|---------------------------------------|--|---------------------|---|---------------------|
| _____                                 | BIOL 205 Human Anatomy*                      | 4                   | <b>First Semester - Fall</b>                            |                     |
| _____                                 | BIOL 206 Human Physiology*                   | 4                   | RAD 100 Patient Care in Radiography                     | 3                   |
| _____                                 | CHEM 103 Fundamentals of Chemistry           | 4                   | RAD 110 Radiographic Anatomy                            | 2                   |
|                                       | Physics will also meet Chemistry requirement |                     | RAD 120 Imaging Procedures I                            | 2                   |
| _____                                 | ENG 150 English Composition                  | 3                   | RAD 121 Imaging Procedures I Lab                        | 3                   |
| _____                                 | MATH 160 College Algebra                     | 3                   | RAD 141 Radiation Physics I                             | 2                   |
| _____                                 | PSYC 101 Introduction to Psychology          | 3                   | <b>First Year- Intersession (Spring)</b>                |                     |
| _____                                 | BIOL 118 Medical Terminology                 | 3                   | RAD 101 Introduction to Clinical Practice               | 1                   |
| _____                                 | INFM 160 Computer Resources                  | 1                   | <b>Second Semester - Spring</b>                         |                     |
|                                       | <i>*Denotes core science course</i>          |                     | RAD 122 Imaging Procedures II                           | 3                   |
|                                       |  |                     | RAD 123 Imaging Procedures III                          | 2                   |
|                                       |  |                     | RAD 142 Radiation Physics II                            | 2                   |
|                                       |  |                     | RAD 161 Image Production I                              | 2                   |
|                                       |  |                     | RAD 191 Clinical Practice I                             | 2                   |
|                                       |  |                     | <b>Third Semester – Summer</b>                          |                     |
|                                       |  |                     | RAD 192 Clinical Practice II                            | 3                   |
|                                       |  |                     | <b>Second Year - Semester 4 (Fall)</b>                  |                     |
|                                       |  |                     | RAD 200 Radiographic Pathophysiology                    | 2                   |
|                                       |  |                     | RAD 250 Radiographic Image Analysis and Quality Control | 2                   |
|                                       |  |                     | RAD 262 Image Production II                             | 3                   |
|                                       |  |                     | RAD 270 Radiation Biology and Protection                | 3                   |
|                                       |  |                     | RAD 293 Clinical Practice III                           | 2                   |
|                                       |  |                     | <b>Second Year- Intersession (Spring)</b>               |                     |
|                                       |  |                     | RAD 294 Clinical Practice IV                            | 1                   |
|                                       |  |                     | <b>Second Year – Semester 5 (Spring)</b>                |                     |
|                                       |  |                     | RAD 289 Professionalism and Ethics                      | 3                   |
|                                       |  |                     | RAD 299 Radiography Capstone                            | 4                   |
|                                       |  |                     | RAD 263 Image Production III                            | 2                   |
|                                       |  |                     | RAD 295 Clinical Practice V                             | 2                   |

General Education Credit Hours = 25  
 Program Credit Hours = 51  
**Total Degree Credit Hours = 76**

To apply to the ASR program you must have completed 1 core science, 2 additional general education courses listed above. Science and additional general education courses must total 10 credits or more. Must have a minimum combined GPA of 3.0 or higher for the required general education courses to apply.

Submit two letters of reference and a personal essay at time of program application. You are required to log and send in documentation showing a minimum of 4 hours of job shadowing experience, in a diagnostic imaging radiology department, by the application deadline.

Once accepted into the ASR program, the program will take 5 semesters (including 1 summer).

**Program deadline for Fall entry: December 22<sup>nd</sup>**

## Bachelors of Science in Diagnostic Imaging

| <u>General Education Requirements</u> |  | <u>Credit Hours</u> | <u>BSDI Tracks</u>   |
|---------------------------------------|--|---------------------|--|
| _____                                 | ENG 207 Expository Writing   | 3                   | <ul style="list-style-type: none"> <li>• BSDI Specialty Track</li> <li>• BSDI Completion Track</li> <li>• Specialty Credentialing Pathways</li> </ul>  |
| _____                                 | MATH 227 Introduction to Statistics  | 3                   |  |
| _____                                 | PSYC 230 Life Span Development   | 3                   |  |
| _____                                 | SOCI 304 Global Awareness & Cultural Diversity   | 3                   |  |
|                                       | General Education requirements may be completed during program.  |                     |  |
|                                       | <b><u>Specialty modalities</u></b>   |                     |  |
|                                       | <ul style="list-style-type: none"> <li>• Diagnostic Medical Sonography</li> <li>• Diagnostic Medical Sonography-Echocardiography</li> <li>• Mammography</li> <li>• Computed Tomography (CT)</li> <li>• Magnetic Resonance Imaging (MRI)</li> <li>• Interventional Radiography (IR)</li> <li>• Inter-professional Leadership</li> </ul> |                     |  |
|                                       | <b>Program deadlines:</b>  |                     |  |
|                                       | All tracks – Fall entry: April 30 <sup>th</sup>  |                     |  |
|                                       | BSDI Completion – Spring Entry: November 15 <sup>th</sup>  |                     |  |
|                                       |  |                     | General Education Credit Hours = 12<br>Previous radiography education = 64<br><b>BSDI Track Total Credit Hours = 128 minimum</b><br><br>Prerequisite for specialty program enrollment is successful completion of an accredited Radiography program or hold ARRT/ARDMS certification.<br><br>Must submit: two letters of reference, resume, and copy of licensure prior to program application deadline. |