



## PROGRAM

ECC offers a program of study leading to an AAS degree in radiologic technology. Students learn to use computed radiography & digital radiography equipment designed to record images, which aid radiologists in diagnosing and treating various health problems.

After program prerequisites are met, radiologic technology is a 20 month, selective program in radiography (the art and science of creating medical images using X-rays). Radiographers provide vital information to physicians to diagnose fractures, illness, disease processes and possible malignancies.

The program is accredited by the Joint Review Committee for Education in Radiologic Technology. Graduates of this program sit for The American Registry of Radiologic Technologists, a national certification examination. Those who pass the exam may sign the initials RT(R) following their name to indicate that they are Registered Technologists (Radiography).



## EMPLOYMENT & SALARY OPPORTUNITIES

Median annual earnings of radiologic technologists were \$59,520 in 2018. The middle to percent earned between \$42,710 and \$63,010. The lowest 10 percent earned less than \$40,630, and the highest 10 percent earned more than \$86,350. The job outlook growth is 13%.

Career opportunities open to radiological technicians include: physician offices, hospitals, outpatient centers and diagnostic laboratories.



The JRCERT is the only agency recognized by the United States Department of Education (USDE) and the Council for Higher Education Accreditation (CHEA), for the accreditation of traditional and distance delivery educational programs in radiography, radiation therapy, magnetic resonance, and medical dosimetry.



## CAREER

Radiologic technologists take X-rays and administer non-radioactive materials into patients' bloodstreams for diagnostic purposes. Radiologic technologists produce x-ray films (radiographs) of parts of the human body for use in diagnosing medical problems. They prepare patients for radiologic examinations by explaining the procedure, removing articles through which x-rays cannot pass, and positioning patients so that the parts of the body can be appropriately radiographed.



## ADMISSION REQUIREMENTS

To enter the program, students must have completed:

- High school diploma or the equivalent (documentation must be sent to the registration office)
- An application for admission to ECC
- A placement test as specified by the college (some coursework requires minimum placement results)
- Cumulative college GPA of 2.5 or greater
- TEAS Exam taken within the last two years with a composite score of 50% or greater
- A completed radiologic technology application on file by the specified deadline
- A satisfactory criminal background check and drug screening upon admission
- Prerequisites with a "C" or better prior to starting the program



## TRANSFER OPTIONS

The AAS degree is designed for students seeking employment immediately upon graduation. However, many of the credits, particularly the general education electives received with this degree, may qualify as transfer credit by four-year schools.

## Program Prerequisites

### Fall Semester

	<b>Hours</b>
• COL*100 Campus Orientation	0.0
• COL*101 Falcon Seminar	1.0
• ENG*101/114 English Comp I or Honors	3.0
• BIO*151 Intro to Human Anatomy & Physiology Lec/Lab	4.0
• SOC*101 General Sociology	3.0
<b>Total:</b>	<b>11.0</b>

### Spring Semester

	<b>Hours</b>
• MTH*110/140/150 Inter. Algebra, Contemp. Math, Statistics or higher	3.0
• CIS*101/110 Microcomputer App or Technical & Digital Literacy	3.0
• HST/PSC Core 42 Civics	3.0
• PSC*CIVICS Civics Achievement Exam	0.0
<b>Total:</b>	<b>9.0</b>

## Radiologic Technology Academic Course Sequence

### Semester 1

	<b>Hours</b>
• RAD*101 Fundamentals of Radiologic Science & Healthcare	3.0
• RAD*102 Radiation Protection, Production & Characteristics	1.0
• RAD*103 Digital Image Acquisition & Display I	1.0
• RAD*104 Patient Care in Radiologic Science	4.0
• RAD*105 Radiographic Procedures I	5.0
• RAD*106 Radiographic Physics I	3.0
• RAD*151 Clinicals I	1.0
<b>Total:</b>	<b>18.0</b>

### Semester 2

	<b>Hours</b>
• RAD*152 Radiographic Procedures II	3.0
• RAD*153 Radiographic Physics II	3.0
• RAD*154 Digital Image Acquisition & Display II	3.0
• RAD*155 Clinicals II	2.0
<b>Total:</b>	<b>11.0</b>

### Semester 3

	<b>Hours</b>
• RAD*156 Pharmacology & Drug Administration	1.0
• RAD*157 Clinicals III	3.0
<b>Total:</b>	<b>4.0</b>

### Semester 4

	<b>Hours</b>
• RAD*201 Digital Image Acquisition & Display III	2.0
• RAD*202 Advanced Radiographic Procedures I	3.0
• RAD*203 Radiation Biology	2.0
• RAD*204 Clinicals IV	3.0
<b>Total:</b>	<b>10.0</b>

### Semester 5

	<b>Hours</b>
• RAD*290 Curriculum Review V	0.0
• RAD*251 Imaging Equipment	2.0
• RAD*252 Advanced Radiographic Procedures II	2.0
• RAD*253 Clinicals V	3.0
<b>Total:</b>	<b>7.0</b>

*In order to achieve success in the Radiologic Technology program, a student can expect to spend a minimum of 20-30 hours per week, outside of class, studying and preparing for class and clinical experiences. Some examples include: practicing skills in the lab, preparing for clinical assignments, studying for exams, preparing for class, developing written assignments and presentations.*