EAST CENTRAL COLLEGE
Inspiring Excellence

Radiologic Technology

NURSING & ALLIED HEALTH
636.584.6616 • 573.202.6950
eastcentral.edu/allied-health/radiologic-technology

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.

JRCERT

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 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
- Eight hours of observation
- 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.

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Program Prerequisites

Fall Semester		Hours
• 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
	Total:	**11.0**

Spring Semester		Hours
• 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
	Total:	**9.0**

Radiologic Technology Academic Course Sequence

Semester 1		Hours
• 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
	Total:	**18.0**

Semester 2		Hours
• 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
	Total:	**11.0**

Semester 3		Hours
• RAD*156	Pharmacology & Drug Administration	1.0
• RAD*157	Clinicals III	3.0
	Total:	**4.0**

Semester 4		Hours
• 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
	Total:	**10.0**

Semester 5		Hours
• 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
	Total:	**7.0**

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.