DISCOVER YOUR FUTURE...

Jefferson College

MO HEALTH WINS.org

A.A.S. In Radiologic Technology

If you've ever had an x-ray, you've probably met a radiologic technologist. **Radiographers** use x-ray equipment to produce 2-D and 3-D images of the tissue, organs, bones and vessels of the body. Some radiographers specialize in computed tomography (CT), magnetic resonance imaging (MRI) or mammography.

A career in radiologic technology can lead in many directions. Radiologic technologists are needed in every health care setting. You could work in a large hospital, a suburban outpatient clinic or a rural physician's office. You could specialize in dozens of **clinical areas** ranging from prenatal care to orthopedics. You could **manage** an entire radiology department, including its budget and personnel. You could **teach**, inspiring new generations of radiologic technologists, or you could perform **research** that leads to breakthroughs in diagnostic imaging.

Following graduation, you'll take a **certification examination** designed to demonstrate your qualifications to enter the field. The largest certification agency, the American Registry of Radiologic Technologists, has more than 300,000 registrants.

Whether you consider yourself technically adept or not, you will be comfortable studying radiologic technology. That's because the field is **part science, part art**. During your educational program, you will study subjects such as anatomy, biology, radiation safety and physics.

You'll learn to use **computers** to acquire and manipulate images. And you'll work with some of the most **technologically advanced** equipment in the medical field. But you'll also learn to **communicate** with patients, to solve problems and to work with other members of the health care team, including doctors, nurses and experienced radiologic technologists. During this part of your education, known as clinical experience, you'll have a **hands-on opportunity** to practice your patient care skills and fine-tune your technical knowledge. You will develop skills that allow you to provide patient care that is **accurate** as well as **compassionate**.

What makes a career in radiologic technology worth a closer look? First, as a radiologic technologist, you'll be on the **cutting edge** of scientific progress, working with the latest **advances** in medical care. You'll also be a member of a growing profession, as the number of medical imaging examinations performed in the United States increases every year. **Opportunities** to advance within the field are expanding as well. But most importantly, as a radiologic technologist you'll be a vital member of the **patient care** team. Whether producing an x-ray image to detect a broken bone or assisting in a fluoroscopic study to diagnose a pathology, radiologic technologists provide the care that leads to **diagnosis, treatment** and **cure**. For a career that makes a difference in others' lives while improving your own, investigate radiologic technology.

JEFFERSON COLLEGE RADIOLOGIC TECHNOLOGY

DEPARTMENT CONTACT

Laura Klaus
Retention Specialist

Jefferson College
1000 Viking Drive
Hillsboro, MO 63050

(636) 481-3524 or
797-3000, ext. 3524
FAX: (636) 789-2093

lklaus1@jeffco.edu
www.jeffco.edu

Program Accreditation

The Radiologic Technology Program at Jefferson College is accredited through the HLC and is seeking accreditation by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

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PROGRAM ADMISSION

STEP ONE:
Meet MoHealthWINS Eligibility Procedure:

- Complete WorkKeys assessment at either: The Arnold or Washington Missouri Career Center or the Adult Education/ Literacy (AEL) program at Jefferson College, *Hillsboro, MO.*
- After completion of MoHealthWINS eligibility review form and WorkKeys assessment; if eligible, continue to Step Two.

STEP TWO:
Meet Jefferson College Admission Procedures:

- Submit Jefferson College application for admission form with application fee ($25.00) to Jefferson College Enrollment Services.
- Submit Official High School Transcripts or High School Equivalency Certificate (GED).
- Submit Official College Transcripts from all colleges attended. For all college courses completed as dual credit, transcripts must be requested from each college awarding credit (as well as the high school transcripts)
- Take a placement Test: ACT or COMPASS within past two years *(See Jefferson College catalog for more information).*
- Schedule an appointment to meet with an Enrollment Services Specialist.

STEP THREE:
Meet Jefferson College Radiology Admission Procedures:

- Enroll in and complete the six prerequisite courses *(see curriculum sequence)*
- 2.75 GPA (overall) for all college level coursework.
- Submit a Radiologic Technology Program Application for Admission *(Visit **www.jeffco.edu/RAD** for complete application process)*

JEFFERSON COLLEGE AAS, RAD-TECH PROGRAM

PRE-REQUSITE REQUIREMENTS

Anatomy and Physiology I (4)*	BIO211
Anatomy and Physiology II (4)*	BIO212
Intro. To College,Freshman Seminar, or Mastering The Col. Exp. (1-3) **	COL101, COL100 or GUD136
English Composition I (3)**	ENG101
Intermediate Algebra (3)**	MTH128
Computer Literacy **	BIT138, CIS122, CIS125,
- Met by exam or coursework (0-4)	CIS133, EDU205 or
	PHY223
US History I or US & MO Govt. and Constitutions (3)**	HST103 or PSC102
Medical Ethics (3)**	PHL203
General Psychology or General Sociology (3) **	PSY101 or SOC101

CORE RADIOLOGY COURSES

Introduction to Radiography (1)	RAD105
Radiation Protection (2)	RAD101
Radiographic Positioning I (3)	RAD115
Image Evaluation (2)	RAD111
Patient Care Management (2)	RAD130
Radiographic Positioning II (3)	RAD125
Clinical Practicum I (3)	RAD200
Radiographic Exposures (3)	RAD140
Radiographic Positioning III (3)	RAD135
Radiographic Positioning IV (3)	RAD145
Clinical Practicum II (3)	RAD210
Clinical Practicum III (3)	RAD220
Clinical Practicum IV (3)	RAD230
Cross-Sectional Anatomy (3)	RAD150
Radiographic Biology (3)	RAD155
Radiographic Physics (3)	RAD160
Radiographic Pharmacology (3)	RAD165
Clinical Practicum V (3)	RAD240
Radiographic Pathology (3)	RAD170
Image Intensification & Equipment (3)	RAD175
Introduction to QA and Adv. Imaging Modalities (3)	RAD180
Radiographic Curriculum Review and Prof. Dev. (3)	RAD185
Radiologic Technology Independent Study (1-3)	RAD190 *(Optional)*

* Prerequisite coursework must be met with a "B" or better and within 5 years of application

** Prerequisite coursework must be met with a "C" or better and within 10 years of application