DISCOVER YOUR FUTURE...

Jefferson College

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.

DEPARTMENT CONTACT

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WWW.JEFFCO.EDU

Associate of Applied Science in Radiologic Technology
CURRICULUM

Program Accreditation

The Radiologic Technology Program at Jefferson College will be seeking accreditation by the Joint Review Committee on Education in Radiologic Technology (JRCERT). The program will submit an Application for Candidacy in Summer 2013., which is the formal application required in the pre-accreditation phase. Submission of this document does not assure that the program will be granted Accreditation. **Pending approval by the Missouri Department of Higher Education.*

Academic Transfer

Jefferson College's program coursework has been designed to articulate with all Missouri institutions granting bachelor's degrees in Radiologic Technology, including Saint Louis University and University of Missouri-Columbia. Our faculty members will help you find transfer advisement help from the institution in which you are interested in attending to complete your bachelor's degree.

Admission

Follow these steps to begin your education at Jefferson College:

1. Contact an Admissions and Student Records Representative (636) 481-3220 or 797-3000, ext. 3220.
2. Apply for admission either online (www.jeffco.edu) or by mail.
3. Submit a one-time, non-refundable $25 application fee to the Office of Admissions & Student Records. Make checks payable to *Jefferson College*.
4. Send an official high school transcript, high school diploma or GED certificate or scores to the Office of Admissions & Student Records.
5. Complete the Free Application for Federal Student Aid (FAFSA). File on the internet at http://www.fafsa.ed.gov/ or request an application from the Office of Admissions & Student Records.
6. Complete the COMPASS Placement Exam (no charge) or submit official ACT results for the purpose of course placement.
7. Download and complete the application packet (_____) found online or call the Office of Admissions & Student Records at (636) 481-3217 or 797-3000, ext. 3217
8. Meet with an advisor in the Advising and Retention Center (ARC). Call (636) 481-3209 or 797-3000, ext. 3209 to schedule an appointment.

6.12

COURSE NUMBER	PREREQUISITES	CREDITS
COL 101 or GUD 136	Intro. To College or Mastering the College Exp.*	1 or 3
BIO211	Anatomy and Physiology I**	4
BIO212	Anatomy and Physiology II**	4
ENG101	English Composition I*	3
MTH128	Intermediate Algebra*	3
	Computer Literacy met by exam or coursework*	0-4
RADxxx	Radiologic Technology Prep Workshop (by invitation only – part of application process)	.5
		15.5 – 21.5
	FIRST SEMESTER	
HST103 or PSC102	US History I or US & MO Govt. and Constitutions***	3
	FIRST 8-WEEK SESSION	
RADxxx	Introduction to Radiography	2
RADxxx	Radiographic Positioning I	3
RADxxx	Image Evaluation I	1
	SECOND 8-WEEK SESSION	
RADxxx	Patient Care Management	2
RADxxx	Radiographic Positioning II	3
RADxxx	Image Evaluation II	1
		15
	SECOND SEMESTER	
PHL203	Medical Ethics***	3
RADxxx	Clinical Practicum I	3
RADxxx	Radiographic Exposures	3
	FIRST 8-WEEK SESSION	
RADxxx	Radiographic Positioning III	3
	SECOND 8-WEEK SESSION	
RADxxx	Radiographic Positioning IV	3
		15
	SUMMER SEMESTER	
PSY101 or SOC101	General Psychology or General Sociology***	3
RADxxx	Clinical Practicum II	3
RADxxx	Clinical Practicum III	3
		9
	THIRD SEMESTER	
RADxxx	Clinical Practicum IV	3
	FIRST 8-WEEK SESSION	
RADxxx	Cross-Sectional Anatomy	3
RADxxx	Radiographic Biology	3
	SECOND 8-WEEK SESSION	
RADxxx	Radiographic Physics	3
RADxxx	Radiographic Pharmacology	3
		15
	FOURTH SEMESTER	
RADxxx	Clinical Practicum V	3
	FIRST 8-WEEK SESSION	
RADxxx	Radiographic Pathology	3
RADxxx	Image Intensification & Equipment	3
	SECOND 8-WEEK SESSION	
RADxxx	Introduction to QA and Adv. Imaging Modalities	3
RADxxx	Radiography Curriculum Review and Prof. Dev.	3
		15
	TOTAL	**84.5 – 90.5**
RADxxx	*(Optional)* Radiologic Technology Independent Study	1-3

** Must be completed prior to start of the program with a grade of 'C' or higher*
*** Must be completed prior to start of the program with a grade of 'B' or higher*
**** It is recommended that these courses be completed prior to entering the program*