

DISCOVER  
YOUR  
FUTURE...



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#### 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.



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## 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.

*This workforce solution was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The solution was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability or ownership.*

*It is the policy of Jefferson College that no persons shall, on the basis of age, ancestry, color, creed, disability, gender, national origin, race, or religion, be subject to discrimination in employment or admission to any educational program or activity of Jefferson College. NOTE: If accommodations for a disability are needed, please contact Sundaye Harrison at (636)481-3169/797-3000, ext. 3169; TDD users call (636)789-5772*

## PROGRAM ADMISSION

### STEP ONE:

#### Meet MoHealthWINS Eligibility Procedure:

- Complete MoHealthWINS eligibility review form by February 1, 2013, at either: The Arnold or Washington Missouri Career Center or the office of Laura Klaus (Retention Specialist) - Jefferson College, *Hillsboro, MO*.
- 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, Admissions & Student Records Office.
- 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). All transcripts must be requested by February 1st.
- 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 Academic Advisor.

### STEP THREE:

#### Meet Jefferson College Radiology Admission Procedures:

- Enroll in and complete the six prerequisite courses within ten years at the time of application (*see curriculum sequence*)
  - 2.75 GPA (overall) for all college level course work. The GPA will be figured to the one hundredth position and not rounded beyond that point. (Such as 3.45 or 2.54) A 2.46 will not be rounded to 2.5.
1. Submit a Radiologic Technology Program Application for Admission (in addition to completion of the MoHealthWINS eligibility review form by February 1, 2013, WorkKeys assessment and Jefferson College application), which is included in this packet. A student is eligible to submit a Radiologic Technology Application when all prerequisites are complete, or the student will have all prerequisites completed by the end of the spring semester in which student is applying. (Completed by May 2013).
  2. Submit signed and dated Jefferson College Radiologic Technology Code of Ethics form. Every area must be completed, with signature & date listed for the form to be accepted.
  3. Have three people who know you well complete both Reference Form 1 and Reference Form 2 and collect the sealed envelopes. Every line on reference forms must be completed, and reference forms must be signed by applicant or application packet will be considered incomplete.
  4. Arrange to observe x-ray procedures being performed in the hospital of your choice. Applicant must read and complete the Applicant Observation Form. Every area must be completed, with signature and date listed for the form to be accepted. Have your supervising technologist complete the Hospital Observation Evaluation form. Applicant must sign this form on the appropriate line before giving to the technologist for evaluation purposes.
- Complete and/or collect items 1 - 4, place in one large envelope and submit prior to the deadline. DO NOT submit items 1 - 4 separately.

## JEFFERSON COLLEGE AAS, RAD-TECH PROGRAM

### Curriculum Sequence Fall 2013- Spring 2015

COURSE NUMBER	PREREQUISITES (FALL 2012)	CREDITS
COL101, COL108, or GUD136	Introduction to College, Freshman Seminar, or * Mastering the College Experience*	1 or 3
BIO211	Anatomy and Physiology I*	4
BIO212	Anatomy and Physiology II**	4
ENG101	English Composition I*	3
MTH128	Intermediate Algebra*	3
Either BIT138, CIS122, CIS125, CIS133, EDU205 or PHY223/Proficiency Exam: Computer Literacy met by exam or coursework*		0-4
<b>(SPRING 2013)</b>		
RAD100	Radiologic Technology Prep Workshop <i>(by invitation only – part of application process)</i>	.5 15.5 – 21.5
<b>FIRST SEMESTER (FALL 2013)</b>		
HST103 or PSC102	US History I or US & MO Govt. and Constitutions**	3
<b>FIRST 8-WEEK SESSION (FALL 2013)</b>		
RAD105	Introduction to Radiography	2
RAD115	Radiographic Positioning I	3
RAD110	Image Evaluation I	1
<b>SECOND 8-WEEK SESSION (FALL 2013)</b>		
RAD130	Patient Care Management	2
RAD125	Radiographic Positioning II	3
RAD120	Image Evaluation II	1
		15
<b>SECOND SEMESTER (SPRING 2014)</b>		
PHL203	Medical Ethics***	3
RAD200	Clinical Practicum I	3
RAD140	Radiographic Exposures	3
<b>FIRST 8-WEEK SESSION (SPRING 2014)</b>		
RAD135	Radiographic Positioning III	3
<b>SECOND 8-WEEK SESSION (SPRING 2014)</b>		
RAD145	Radiographic Positioning IV	3
		15
<b>SUMMER SEMESTER (SUMMER 2014)</b>		
PSY101 or SOC101	General Psychology or General Sociology***	3
RAD210	Clinical Practicum II	3
RAD220	Clinical Practicum III	3
		9
<b>THIRD SEMESTER (FALL 2014)</b>		
RAD230	Clinical Practicum IV	3
<b>FIRST 8-WEEK SESSION (FALL 2014)</b>		
RAD150	Cross-Sectional Anatomy	3
RAD155	Radiographic Biology	3
<b>SECOND 8-WEEK SESSION (FALL 2014)</b>		
RAD160	Radiographic Physics	3
RAD165	Radiographic Pharmacology	3
		15
<b>FOURTH SEMESTER (SPRING 2015)</b>		
RAD240	Clinical Practicum V	3
<b>FIRST 8-WEEK SESSION (SPRING 2015)</b>		
RAD170	Radiographic Pathology	3
RAD175	Image Intensification & Equipment	3
<b>SECOND 8-WEEK SESSION (SPRING 2015)</b>		
RAD180	Introduction to QA and Adv. Imaging Modalities	3
RAD185	Radiography Curriculum Review and Prof. Dev.	3
		15
RAD190	<i>(Optional)</i> Radiologic Technology Independent Study 1-3	

**TOTAL 84.5 – 90.5**

\* 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