

RADIOLOGIC TECHNOLOGY, ASSOCIATE IN APPLIED SCIENCE

Forest Park

The Radiologic Technology program prepares students for entry-level positions as radiographers (X-ray technologists). Student must attend full-time and satisfy both the didactic and clinical components to successfully complete the program.

The program is accredited by the

Joint Review Committee on Education in Radiologic Technology
(JRCERT)
20 N. Wacker Drive, Suite 2850
Chicago, IL, 60606-3182
Phone number: 312-704-5300

Students learn to use complex X-ray and image processing equipment designed to record images which aid radiologists in diagnosing various health problems.

Persons interested in this program should be comfortable working with and caring for people from diverse backgrounds. They should be able to meet the academic and physical demands of the program that require a commitment of time, effort and motivation.

Students are required to complete a health history, immunization record, physical exam, essential functions acknowledgment form and drug and criminal background check prior to the first day of class. Students not passing the criminal background check and/or drug screen may be prohibited from participating in clinical education. This will prevent the student from being able to complete all program requirements for graduation.

Completion of college level medical terminology course (HIT 101 Medical Terminology or equivalent) is highly recommended.

To graduate a grade of C or better is required for all math and science courses and all courses in the area of concentration.

Graduates are eligible to sit for the national certification examination administered by the American Registry of Radiologic Technologists (ARRT). Employment is available in hospital radiology departments, clinics, imaging centers, outpatient surgery centers and physician offices.

Prerequisites

The following must be completed prior to applying for admission into the Radiologic Technology program:

- MTH 050 Mathematical Literacy
- BIO 111 Introductory Biology I or two semesters of high school biology with labs.
- Math and science cumulative GPA of 2.5 or higher on a 4.0 scale.
- Math and science courses must be completed within five calendar years of entering the program.
- Cumulative GPA of 2.5 or higher on a 4.0 scale.

Cost of Attendance. For more information on cost of attendance visit MoSCORES (<https://scorecard.mo.gov/Search/>).

Program Career and Salary Information. Pursuant to Missouri HB 1606 (2018), information regarding the number of credit hours, program length, employment rate, wage data, and graduates employed in careers related to their program of study at St. Louis Community College can be found at the following URL: <https://scorecard.mo.gov/scorecard/> (https://www.google.com/url?q=https://scorecard.mo.gov/scorecard/&sa=D&ust=1555536894857000&usg=AFQjCNG1xf3E_i2lO96zEytILO-s5xaJCQ). Search using School / Program “St. Louis Community College” and choose the degree or credential type of interest.

The following limitations to the data apply: Information provided is based on the most recent cohorts available. Typically, most recent cohorts for wage and completion data are six years prior to the current academic year. Time to complete a program of study varies depending on the number of credit hours students earn per semester.

Interested in this program? Start the enrollment process by visiting the Apply to STLCC (<https://www.stlcc.edu/admissions/apply-to-stlcc/>) page.

At the completion of the program, students are expected to:

1. evaluate images for appropriate positioning and image quality.
2. demonstrate the ability to adapt to difficult and trauma exams.
3. position the patient and imaging system to perform acceptable radiographic examinations and procedures.
4. maintain a safe environment.
5. provide quality patient care.
6. demonstrate ethical and professional values.
7. exhibit professional traits expected of radiologic technologists.
8. demonstrate effective written communication.
9. demonstrate effective oral communication.

Missouri Civics Examination. Students entering college for the very first time in fall 2019 and who intend to complete an associate's degree must successfully complete a civics examination. Information on who is eligible for a waiver can be found on our website: <https://stlcc.edu/programs-academics/missouri-civics-exam.aspx>.

Program of Study

Code	Title	Credit Hours
General Education		
ENG 101	College Composition I (MOTR ENGL 100)	3
COM 101	Oral Communication I (MOTR COMM 100)	3
MTH 140	Intermediate Algebra (or higher) ¹	3
BIO 207	Anatomy and Physiology I (MOTR LIFS 150LAP) ²	4
BIO 208	Anatomy and Physiology II	4
PSY 200	General Psychology (MOTR PSYC 100)	3
XXX xxx	Social & Behavioral Sciences: Civics Requirement	3
Program Requirements		
XRT 101	Radiographic Procedures I	4
XRT 102	Radiographic Procedures II	3
XRT 103	Radiographic Procedures III	3
XRT 104	Principles of Radiographic Exposure I	3
XRT 105	Principles of Radiographic Exposure II	3
XRT 107	Radiologic Physics I	2

XRT 108	Radiologic Physics II	2
XRT 111	Clinical Education I	2
XRT 112	Clinical Education II	2
XRT 116	Clinical Education III	3
XRT 121	Radiographic Image Evaluation I	2
XRT 122	Radiographic Image Evaluation II	2
XRT 207	Radiologic Pathology	2
XRT 208	Advanced Imaging Modalities	2
XRT 209	Radiobiology	2
XRT 211	Radiologic Technology Review	3
XRT 212	Professional Development in Radiography	2
XRT 213	Clinical Education IV	3
XRT 214	Clinical Education V	3
XRT 215	Clinical Education VI	2
Total Credit Hours		73

¹ Except MTH 161, MTH 165, MTH 166, MTH 180

² BIO 207 is a prerequisite for XRT 101 and must be completed with a grade C or better before starting the Area of Concentration courses.

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PLEASE NOTE: If you originally enrolled at STLCC prior to Fall 2021, you may need to view an archived catalog (<https://www.stlcc.edu/programs-academics/course-catalog/>) for your correct program requirements. Please speak with an advisor or the program coordinator for more information.

Program Prerequisites (to be completed prior to applying to program)

Code	Title	Credit Hours
BIO 111	Introductory Biology I (MOTR BIOL 100L)	4
or CHM 101	Fundamentals of Chemistry I (MOTR CHEM 100L)	
MTH 050	Mathematical Literacy (or higher)	3
Total Credit Hours		7

General Education (completion of these courses is encouraged prior to beginning program required courses)

Code	Title	Hours	Prerequisites	Milestones/Notes
First Year				
Spring				
BIO 207	Anatomy and Physiology I (MOTR LIFS 150LAP)	4	BIO 111 with grade of "C" or better and Reading Proficiency.	Must be completed with a minimum grade of C before enrolling in XRT 101
BIO 208	Anatomy and Physiology II	4	BIO 207 with a minimum grade of "C" and Reading Proficiency.	
MTH 140	Intermediate Algebra (or higher)	3	MTH 030 or MTH 040 or MTH 050 with a grade of "C" or better or satisfactory score on placement test and Reading Proficiency.	Except MTH 161, MTH 165, MTH 166, or MTH 180
ENG 101	College Composition I (MOTR ENGL 100)	3	Placement score or ENG 030 or ENG 070 with a grade of "C" or better or recommendation of department and Reading Proficiency or concurrent enrollment in RDG 079.	
COM 101	Oral Communication I (MOTR COMM 100)	3	Reading Proficiency or concurrent enrollment in ENG 070.	
PSY 200	General Psychology (MOTR PSYC 100)	3	Reading Proficiency or concurrent enrollment in RDG 079.	
Social & Behavioral Sciences: Civics Requirement		3		
Credit Hours		23		
Total Credit Hours		23		

Code	Title	Hours	Prerequisites	Milestones/Notes
Second Year				
Fall				
XRT 101	Radiographic Procedures I	4	Current enrollment in the Radiologic Technology program and Reading Proficiency.	

XRT 111	Clinical Education I	2	Current enrollment in Radiologic Technology program and Reading Proficiency.	
XRT 104	Principles of Radiographic Exposure I	3	Reading Proficiency.	
	Credit Hours	9		
Spring				
XRT 102	Radiographic Procedures II	3	XRT 101 and Reading Proficiency.	
XRT 105	Principles of Radiographic Exposure II	3	XRT 104 and Reading Proficiency.	
XRT 107	Radiologic Physics I	2	XRT 104, XRT 111 and Reading Proficiency.	
XRT 112	Clinical Education II	2	XRT 111 and Reading Proficiency.	
	Credit Hours	10		
Summer				
XRT 121	Radiographic Image Evaluation I	2	XRT 102, XRT 112 and Reading Proficiency.	
XRT 116	Clinical Education III	3	XRT 112 and Reading Proficiency.	
	Credit Hours	5		
Third Year				
Fall				
XRT 213	Clinical Education IV	3	XRT 116 and Reading Proficiency.	
XRT 103	Radiographic Procedures III	3	Current enrollment in the Radiologic Technology program, XRT 102 and XRT 116 and Reading Proficiency.	
XRT 108	Radiologic Physics II	2	XRT 105, XRT 107, XRT 116 and Reading Proficiency.	
XRT 122	Radiographic Image Evaluation II	2	XRT 121, XRT 116 and Reading Proficiency.	
	Credit Hours	10		
Spring				
XRT 207	Radiologic Pathology	2	XRT 103, XRT 122, XRT 213 and Reading Proficiency.	Apply for graduation
XRT 208	Advanced Imaging Modalities	2	XRT 105 and Reading Proficiency.	
XRT 209	Radiobiology	2	XRT 103, XRT 108, Reading Proficiency.	
XRT 214	Clinical Education V	3	XRT 213 and Reading Proficiency.	
	Credit Hours	9		
Summer				
XRT 211	Radiologic Technology Review	3	XRT 207, XRT 208, XRT 209, XRT 214 and Reading Proficiency.	
XRT 212	Professional Development in Radiography	2	XRT 207, XRT 208, XRT 209, XRT 214, Reading Proficiency.	
XRT 215	Clinical Education VI	2	XRT 214 and Reading Proficiency.	
	Credit Hours	7		
	Total Credit Hours	50		

*Click on the hyperlinked course number to view additional information about the course.

**Students completing a course that has been assigned a MOTR number may transfer that course to any public institution in Missouri. Those who complete CORE 42 requirements will have that verification on their transcript.

*** It is your responsibility to verify that the courses listed above will transfer to the four-year institution of your choice. Maximize your transfer credits/classes by meeting with an academic advisor.