RADIOLOGIC TECHNOLOGY: AAS

Associate in Applied Science | 73 credit hours minimum

Area of Interest: Health Professions

Program Website (https://stlcc.edu/programs-academics/pathways/health-professions/radiologic-technology/)

Academic Advising (https://stlcc.edu/admissions/advising/)

Program Description:

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 (HIM 101 Medical Terminology and Language 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.

Locations. This program is offered in its entirety at Forest Park.

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 the STLCC 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 MTH 140S 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 (http://catalog.stlcc.edu/general-education/)	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.

Program Admission Requirements

1. All applicants must be admitted to St. Louis Community College.
2. All applicants must complete the following requirements before completing a Radiologic Technology program application.
   - BIO 111 Introduction to Biology I (or higher) *or* CHM 101 Fundamentals of Chemistry I (or higher) with a grade of "C" or better within five calendar years of applying to the program.
   - Minimum Math and Science cumulative GPA: 2.5 or higher on a 4.0 scale for **all** math and science courses completed at the 100-level or above.
   - Minimum cumulative GPA: Student must have and maintain a 2.5 or higher on a 4.0 scale GPA for **all** college work regardless of the number of college credits earned.
   - Must provide documentation of a minimum of 8 hours of job shadowing in a hospital-based, general radiology (x-ray) department. Job shadowing must be completed prior to application to the program. Follow the link below to access the job shadowing form.
     - View the Radiologic Technology Program Admission Requirements checklist and Documentation of Career Shadowing Experience form (https://stlcc.edu/docs/programs/health-services/radiologictechnologyprogramrequirements2023.pdf)
     - Information and job shadowing contacts (https://stlcc.edu/programs-academics/pathways/health-professions/radiologic-technology/job-shadowing.aspx)
     - **Admissions requirements are subject to change *without* advance notice.**
3. Completion of BIO 207 is required before enrollment into the Radiologic Technology (XRT) concentration courses.
4. Completion of BIO 208, MTH 140 (or MTH 140S or higher) (except MTH 161, MTH 165, MTH 166, or MTH 180), COM 101, ENG 101, PSY 200, prior to beginning the program is highly recommended, but not required. If incomplete at the time of program admission, the courses must be taken concurrently with concentration courses to complete the program in a timely manner.
5. All applicants must complete a criminal background check and drug screen through a college-approved background screening company prior to the beginning of the fall semester of admission. The student will be responsible for the cost of the background check and drug screen. 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. This process will begin after the program orientation meeting in May.

Students **are required** to complete a health history, immunization record, physical exam, essential functions acknowledgment form, criminal background check, drug screen and American Heart Association Basic Life Support (BLS) for Healthcare Providers CPR certification prior to the first day of class. Completing these requirements should begin immediately following the mandatory program orientation meeting in May.

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 the STLCC website (https://stlcc.edu/programs-academics/missouri-civics-exam.aspx).

PLEASE NOTE: If you originally enrolled at STLCC prior to Fall 2024, 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 the program)

Code	Title	Credit Hours
BIO 111	Introductory Biology I (MOTR BIOL 100L)	4
or CHM 101	Fundamentals of Chemistry I (MOTR CHEM 100L)	
Total Credit Hours		**4**

Full-Time Academic Plan

Completion of all general education 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 or BIO 140 or CHM 101 with a minimum grade of "C", or college-level course equivalent, 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	Satisfactory placement 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	Concurrent enrollment in ENG 070 or Reading Proficiency	
PSY 200	General Psychology (MOTR PSYC 100)	3	Reading Proficiency or concurrent enrollment in RDG 079	
XXX xxx	Social & Behavioral Sciences: Civics Requirement (http://catalog.stlcc.edu/general-education/)	3		
	Credit Hours	**23**		
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**		
Second Year				
Spring				
XRT 102	Radiographic Procedures II	3	XRT 101 with a minimum grade of "C" and Reading Proficiency	
XRT 105	Principles of Radiographic Exposure II	3	XRT 104 with a minimum grade of "C" and Reading Proficiency	
XRT 107	Radiologic Physics I	2	XRT 104 and XRT 111 with minimum grades of "C" and Reading Proficiency	
XRT 112	Clinical Education II	2	XRT 111 with a minimum grade of "C" and Reading Proficiency	
	Credit Hours	**10**		
Summer				
XRT 121	Radiographic Image Evaluation I	2	XRT 102 and XRT 112 with minimum grades of "C" and Reading Proficiency	
XRT 116	Clinical Education III	3	XRT 112 with a minimum grade of "C" and Reading Proficiency	
	Credit Hours	**5**		
Fall				
XRT 213	Clinical Education IV	3	XRT 116 with a minimum grade of "C" and Reading Proficiency	
XRT 103	Radiographic Procedures III	3	Current enrollment in the Radiologic Technology program, XRT 102 and XRT 116 with minimum grades of "C", and Reading Proficiency	
XRT 108	Radiologic Physics II	2	XRT 105, XRT 107, and XRT 116 with minimum grades of "C" and Reading Proficiency	

XRT 122	Radiographic Image Evaluation II	2	XRT 121 and XRT 116 with minimum grades of "C" and Reading Proficiency	
	Credit Hours	**10**		
Third Year				
Spring				
XRT 207	Radiologic Pathology	2	XRT 103, XRT 122, and XRT 213 with minimum grades of "C" and Reading Proficiency	Apply for graduation
XRT 208	Advanced Imaging Modalities	2	XRT 105 with a minimum grade of "C" and Reading Proficiency	
XRT 209	Radiobiology	2	XRT 103 and XRT 108 with minimum grades of "C" and Reading Proficiency	
XRT 214	Clinical Education V	3	XRT 213 with a minimum grade of "C" and Reading Proficiency	
	Credit Hours	**9**		
Summer				
XRT 211	Radiologic Technology Review	3	XRT 207, XRT 208, XRT 209, and XRT 214 with minimum grades of "C" and Reading Proficiency	
XRT 212	Professional Development in Radiography	2	XRT 207, XRT 208, XRT 209, and XRT 214 with minimum grades of "C", and Reading Proficiency	
XRT 215	Clinical Education VI	2	XRT 214 with a minimum grade of "C" and Reading Proficiency	
	Credit Hours	**7**		
	Total Credit Hours	**73**		

*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.