

# SURGICAL TECHNOLOGY, ASSOCIATE IN APPLIED SCIENCE

## Forest Park

The Surgical Technology Associate in Applied Science program prepares students for entry level positions as surgical technologists through classroom instruction, laboratory skill practice, and clinical experience.

Students will gain theoretical knowledge of the surgical environment and develop skills necessary to prepare supplies and equipment, to maintain aseptic conditions, and to assist surgeons and the surgical team by passing instrumentation during operations.

Persons interested in this program should possess a stable temperament, manual dexterity, physical stamina, and the ability to integrate and prioritize a variety of activities.

Students are required to complete a health history, immunization record, physical exam and a drug and criminal background check prior to attending hospital clinical education.

Employment opportunities include hospital surgical departments, outpatient surgery centers, organ procurement centers and central supply processing units.

This program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) in cooperation with the Accreditation Review Council on Surgical Technology and Surgical Assisting (ARC-STSA).

Graduates of this program are qualified to take the National Board Exam offered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA) to become a certified surgical technologist (CST).

**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-s5xaJQC](https://www.google.com/url?q=https://scorecard.mo.gov/scorecard/&sa=D&ust=1555536894857000&usg=AFQjCNG1xf3E_i2lO96zEytILO-s5xaJQC)). 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:

- understand asepsis and sterile technique.
- explain sterilization, disinfection, and antisepsis.
- demonstrate knowledge of specialty surgical procedures.
- understand the use of surgical pharmacology and anesthesia.
- exhibit knowledge of equipment, supplies, and instrumentation.
- discuss patient care concepts.
- maintain a safe environment in the surgical technologist role.
- demonstrate the ability to perform routine tasks in the preoperative, intraoperative and postoperative areas.
- communicate effectively in the healthcare environment.
- recognize the value of teamwork and function as a member of a team.
- exhibit a strong sense of ethical behavior and surgical conscience.
- respond calmly and effectively under pressure.
- exhibit self-direction and responsibility for actions.

**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
<b>Prerequisites:</b>		
The following courses must be completed with a grade of "C" or better prior to applying for admission into the program.		
MTH 108	Elementary Applied Mathematics (or higher)	
BIO 111	Introductory Biology I (MOTR BIOL 100L) <sup>1</sup>	
Cumulative GPA of 2.5 or higher on a 4.0 scale.		
<b>General Education</b>		
ENG 101	College Composition I (MOTR ENGL 100)	3
BIO 203	General Microbiology I	4
BIO 207	Anatomy and Physiology I (MOTR LIFS 150LAP)	4
BIO 208	Anatomy and Physiology II	4
XXX xxx	Social & Behavioral Sciences: Civics Requirement	3
SOC 101	Introduction to Sociology (MOTR SOCI 101)	3
or PSY 200	General Psychology (MOTR PSYC 100)	
XXX xxx	Humanities or Communications Elective	3
<b>Physical Education Activity</b>		
Select 2 credit hours		2
<b>Program Requirements</b>		
ST 120	Principles of Surgical Technology	3
ST 122	Medical/Surgical Terminology	3
ST 124	Clinical Foundations	3
ST 126	Surgical Equipment and Technological Concepts	2
ST 128	Perioperative Case Management	3
ST 220	Procedures I	3
ST 230	Procedures II	3
ST 224	Clinical Practice I	6
ST 234	Clinical Practice II	6

ST 238	Professional Issues	2
ST 228	Clinical Seminar	1
ST 215	Surgical Pharmacology	2
<b>Total Credit Hours</b>		<b>63</b>

<sup>1</sup> Math and Science courses must be completed within five calendar years of entering the program or by permission of program director.

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**PLEASE NOTE:** If you originally enrolled at STLCC prior to Spring 2023, 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 with a grade of "C" or better prior to applying to the program)**

Code	Title	Credit Hours
MTH 108	Elementary Applied Mathematics (or higher)	3
BIO 111	Introductory Biology I (MOTR BIOL 100L)	4
<b>Total Credit Hours</b>		<b>7</b>

Code	Title	Hours	Prerequisites	Milestones/Notes
<b>First Year</b>				
<b>Fall</b>				
BIO 203	General Microbiology I	4	BIO 111 with a minimum grade of "C"; or one year of high school biology and chemistry (with labs) within previous five years of registration date; or permission of the department chairperson of Biology and Reading Proficiency	5 year limit for science requirement may be waived in some situations; Contact program coordinator
BIO 207	Anatomy and Physiology I (MOTR LIFS 150LAP)	4	BIO 111 with a minimum grade of "C" or CHM 101 with a minimum grade of "C", or course equivalency, and Reading Proficiency	5 year limit for science requirement may be waived in some situations; Contact program coordinator
ST 120	Principles of Surgical Technology	3	Current enrollment in the Surgical Technology Program or permission of the program director and Reading Proficiency	Corequisite: ST 122
ST 122	Medical/Surgical Terminology	3	Current enrollment in the Surgical Technology Program or permissions of program director, and Reading Proficiency	Corequisite: ST 122
	<b>Credit Hours</b>	<b>14</b>		
<b>Spring</b>				
ST 124	Clinical Foundations	3	ST 120, ST 122 with minimum grades of "C", BIO 207 with a minimum grade of "C" or permission of program director, and Reading Proficiency	Corequisite: ST 128
ST 126	Surgical Equipment and Technological Concepts	2	Current enrollment in the Surgical Technology Program, ST 120, ST 122 and BIO 203 all with minimum grades of "C", and Reading Proficiency	
ST 128	Perioperative Case Management	3	ST 120 and ST 122, both with minimum grades of "C" and Reading Proficiency	Corequisite: ST 124 and ST 126
SOC 101 or PSY 200	Introduction to Sociology (MOTR SOCI 101) or General Psychology (MOTR PSYC 100)	3	Reading Proficiency or concurrent enrollment in RDG 079	May complete prior to or during the program

BIO 208	Anatomy and Physiology II	4	BIO 207 with a minimum grade of "C" and Reading Proficiency	May complete prior to or during the program
	<b>Credit Hours</b>	<b>15</b>		
<b>Summer</b>				
ST 215	Surgical Pharmacology	2	Current enrollment in the Surgical Technology Program, ST 120 with a minimum grade of "C", and Reading Proficiency	
Physical Education Electives		2		PE 220 is suggested
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	May complete prior to or during the program
	<b>Credit Hours</b>	<b>7</b>		
<b>Second Year</b>				
<b>Fall</b>				
ST 220	Procedures I	3	ST 124, ST 126, ST 128, ST 215, BIO 208, all with minimum grades of "C" and Reading Proficiency	Corequisite: ST 224
ST 224	Clinical Practice I	6	Reading Proficiency	Corequisite: ST 220 and ST 228
ST 228	Clinical Seminar	1	Reading Proficiency	Corequisite: ST 224
Social & Behavioral Sciences: Civics Requirement		3		May complete prior to or during the program
	<b>Credit Hours</b>	<b>13</b>		
<b>Spring</b>				
ST 230	Procedures II	3	ST 220, ST 224 with minimum grades of "C" and Reading Proficiency	Corequisite: ST 234 and ST 238
ST 234	Clinical Practice II	6	ST 228 with a minimum grade of "C" and Reading Proficiency	Corequisite: ST 230
ST 238	Professional Issues	2	ST 220 and ST 224 with minimum grades of "C" and Reading Proficiency	
Humanities or Communications Elective		3		May complete prior to or during the program
	<b>Credit Hours</b>	<b>14</b>		
	<b>Total Credit Hours</b>	<b>63</b>		

\*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.