

# Surgical Technology, AAS (MCTC)

Academic Year 2024-2025

## Program Description:

Surgical technologists are allied health professionals who are an integral part of the team of practitioners providing surgical care to patients in health care facilities. The surgical technologist works under the supervision of a surgeon to facilitate safe and effective conduct of invasive and minimally invasive surgical procedures. The surgical technologist ensures that the operating room environment is safe, that surgical supplies and equipment are functioning properly, and that the operative procedure is conducted under conditions that maximize patient safety and outcomes. Surgical technologists possess expertise in the theory and application of aseptic technique and combine the knowledge of human anatomy, surgical procedures, and the implementation of tools and technology to facilitate a physician's performance of invasive therapeutic and diagnostic procedures. This will ensure optimal conditions for patient health and recovery.

The program is designed to prepare competent entry-level surgical technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. The first year's prerequisites cover general education and gateway courses essential to the foundation of Surgical Technology and will equal 31 credit hours.

Through selective admissions, students may be admitted into the second year of the program, and this year will cover core surgical technology education courses. Second year courses include a comprehensive curriculum of the principles and practices of surgical technology, surgical procedures, as well as the core fundamentals (lab studies) and clinical practicum courses. Students will be required to complete 120 surgical cases in the clinical setting in various surgical specialties. The costs of clinical education (travel, housing, incidentals) are the responsibility of the student.

## Career Outlook and Salary Forecast:

For the most current information please refer to the Bureau of Labor Statistics "Occupational Outlook Handbook" found at [www.bls.gov/ooh/](http://www.bls.gov/ooh/).

## Program Outcomes:

- Define and relate the underlying principles of surgical technology including anatomy and physiology, microbiology, pharmacology, surgical instrumentation, surgical equipment, surgical supplies, and operating room skills
- Demonstrate knowledge of and the ability to apply the principles of aseptic technique
- Demonstrate the practical and critical thinking skills required to work as a competent surgical technologist in the three operative phases of surgical case management
- Demonstrate the role of a surgical technologist according to the ethical principles and legal requirements of the surgical technology profession
- Demonstrate the appropriate and professional skills of interpersonal communication with all patients and members of the healthcare team

## Program Admission Requirements:

- Admission into the Surgical Technology Program is selective. The program seeks to admit 10 students per cohort; however, this number is not guaranteed.
- Applications are available in MB Room 455, or upon request via email from the program director.
- Application deadline for the spring cohort is December 1<sup>st</sup> and for the fall cohort is July 1<sup>st</sup>.
- Applications are valid only for the noted academic year.
- Applicants must receive a score of "C" or greater in all prerequisite courses.
- Applicants must be able to pass a drug screening, background check, and receive all vaccinations and titers required by our clinical affiliates (for a complete list, see Program Director)

## Requirement Associated with Completion of the Prerequisite Courses

If a student has already taken the basic science courses (Anatomy, Physiology, Medical Terminology), these must have been successfully completed within the last 5 years to receive credit toward the prerequisite. Otherwise, the student will have to retake the course.

## Contact Information:

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Program Director

Room 455

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[www.mctc.edu](http://www.mctc.edu)

Mountwest Community & Technical College  
Academic Year 2024-2025

03/18/2024

**Surgical Technology - MCTC Major Code- CS30<sup>1</sup>**

<b>Name:</b>					<b>ID Number 942-</b>		
<b>Educational Counselor:</b>							
<b>Faculty Advisor:</b>							
COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
ENL 101	Written Communication <sup>2</sup>		3				
IT 101	Fundamentals of Computers		3				
BIOL 260	Human Anatomy <sup>3</sup>		4				
MAT 120	Applied Professional Math <sup>4</sup>		3				
PSYC 200	General Psychology		3				
			16				
AH 151	Medical Terminology		3				
BIOL 210	Microbiology		3				
BIOL 210L	Microbiology Lab		1				
BIOL 265	Human Physiology <sup>3</sup>		4				
EME 101	CPR/First Aid		1				
SURG 120	Surgical Pharmacology		2				
SURG 110	Intro to the Surgical Technologist		1				
			15				
SURG 200	Surgical Tech Principles and Practice <sup>5</sup>		5				
SURG 115	Surgical Tech Lab <sup>5</sup>		3				
SURG 210	Surgical Procedures I <sup>6</sup>		3				
SURG 215	Surgical Tech Clinical <sup>6</sup>		2				
SURG 220	Surgical Procedures II <sup>6</sup>		2				
			15				
SURG 225	Surgical Tech Clinical II <sup>7</sup>		2				
SURG 230	Surgical Procedures III <sup>8</sup>		3				
SURG 265	Surgical Tech Clinical Advanced <sup>10</sup>		6				
SURG 290	Advanced Theory Review <sup>9</sup>		4				
			15				
<b>HOURS REQUIRED FOR GRADUATION: 61</b>							

1. Admission to the Surgical Technology Program will be after successful completion of at least the first two semesters.
2. ENL 101 has a prerequisite of placement in 100-level English or corequisite of ENL 095. ENL 101 requires a "C" or better for graduation.
3. BIOL 260 and BIOL 265 have a prerequisite of BIOL 257 or minimum ACT score of 19.
4. MAT 120 has a prerequisite of placement in 100-level mathematics or a minimum ACT Math score of 19 or SAT Math score of 510.
5. SURG 115 and SURG 200 have a prerequisite of SURG 110 and SURG 120.
6. SURG 210, 215, and 220 have a prerequisite of SURG 115 and SURG 200.
7. SURG 225 has a prerequisite of SURG 215.
8. SURG 230 has a prerequisite of SURG 210 and SURG 220.
9. SURG 290 has a prerequisite of SURG 230.
10. SURG 265 has a prerequisite of SURG 225.
11. EME 101 can be substituted if student is already CPR/BLS certified for the duration of the program.