



# SURGICAL TECHNOLOGY

## Associate in Applied Science (AAS) Program Code: 10-512-1 Total Credits: 61

The Surgical Technology program at Mid-State prepares graduates to work as part of the surgical team in operating rooms, providing proper handling and use of equipment, assisting the surgeon during procedures, and ensuring patient safety. Students learn skills and techniques used in sterile processing. Training encompasses both classroom and lab instruction. You will gain clinical hands-on experience in surgery, ambulatory centers, sterile processing, and other related areas. After successful completion of the program and certification exam, you will be a Certified Surgical Technologist (CST).

**Estimated tuition and fees:** [mstc.edu/programcosts](http://mstc.edu/programcosts)

### ACADEMIC ADVISOR

To schedule an appointment with an academic advisor, call 715.422.5300. Academic advisors will travel to other campuses as necessary to accommodate student needs. For more information about advising, visit [mstc.edu/advising](http://mstc.edu/advising).

### CHECKLIST:

This section will be completed when meeting with your academic advisor.

- ☐ FAFSA ([www.fafsa.gov](http://www.fafsa.gov))
- ☐ Financial Aid Form(s)  
Form(s): \_\_\_\_\_
- ☐ Follow-Up Appointment:  
Where: \_\_\_\_\_  
When: \_\_\_\_\_  
With: \_\_\_\_\_
- ☐ Official Transcripts  
Mid-State Technical College  
Student Services Assistant  
1001 Centerpoint Drive  
Stevens Point, WI 54481
- ☐ Criminal Background Statement of  
Understanding and Release of  
Information Form
- ☐ Other: \_\_\_\_\_  
\_\_\_\_\_



[mstc.edu](http://mstc.edu) • 888.575.6782 • TTY: 711



**ADAMS CAMPUS**  
401 North Main  
Adams, WI 53910

**MARSHFIELD CAMPUS**  
2600 West 5th Street  
Marshfield, WI 54449

**STEVENS POINT CAMPUS**  
1001 Centerpoint Drive  
Stevens Point, WI 54481

**WISCONSIN RAPIDS CAMPUS**  
500 32nd Street North  
Wisconsin Rapids, WI 54494

# CAREER PATHWAY • BEGIN AT ANY POINT



## CREDIT FOR PRIOR LEARNING AND EXPERIENCE

### CREDIT FOR PRIOR LEARNING AND EXPERIENCE

- Certifications and Licenses
- High School Credit
- Military Experience
- National/Standardized Exams
- Transfer Credit
- Work and Life Experience

Learn about Credit for Prior Learning at [mstc.edu/cpl](https://mstc.edu/cpl).

## ASSOCIATE IN APPLIED SCIENCE (AAS)

### SURGICAL TECHNOLOGY

Associate in Applied Science (AAS) • 61 Credits

#### Start Your Career

- Surgical Technologist (Clinical Setting, Operating Room, and Ambulatory Surgery Center)
- Vascular/Cath Lab Surgical Technologist

## BACHELOR'S DEGREE

### BACHELOR'S DEGREE OPTIONS

For more information and additional opportunities, visit [mstc.edu/transfer](https://mstc.edu/transfer).

## OTHER OPTIONS

### RELATED PROGRAMS

- Dental Assistant
- Health & Wellness Promotion
- Health Information Management
- Medical Assistant
- Medical Coder
- Nursing
- Nursing Assistant
- Phlebotomy Technician
- Respiratory Therapy
- Sterile Processing Technician

## OUTCOMES

Employers will expect you, as a Surgical Technology graduate, to be able to:

- Apply health care and technological science principles to the perioperative environment.
- Maintain principles of sterile technique in the surgical environment.
- Provide a safe, efficient, and supportive environment for the patient.
- Prepare the patient, operating room, and surgical team for the preoperative phase.
- Perform intraoperative case management in the scrub role.
- Perform postoperative case management.
- Function as an ethical, legal, and professional member of the health care team as determined by governing bodies.

## TECHNICAL SKILLS ATTAINMENT

The Wisconsin Technical College System (WTCS) has implemented a requirement that all technical colleges measure outcomes attained by students. This requirement is called Technical Skills Attainment (TSA). The main objective of TSA is to ensure graduates have the technical skills needed by employers. Students who successfully complete the final evaluation in ST: Clinical 3 will meet the TSA requirement.

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The Mid-State Technical College Surgical Technology program is accredited by the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA), under the auspices of:

### Commission on Accreditation of Allied Health Education Programs

9355 113th St. N, #7709  
Seminole, FL 33775  
727.210.2350 • [www.caahep.org](http://www.caahep.org)

## ENTRY CRITERIA

To apply to the Surgical Technology program, please submit the following documents to Mid-State Admissions:

1. Complete a Mid-State Application form and return it with a \$30 non-refundable application fee.
2. Submit the Criminal Background Statement of Understanding and Release of Information form found at [mstc.edu/programs/surgical-technology](http://mstc.edu/programs/surgical-technology) (available after completion of program application).
3. Submit the Technical Standards Form found at [mstc.edu/programs/surgical-technology](http://mstc.edu/programs/surgical-technology).
4. Meet with an advisor for your New Student Advising Appointment.
5. Complete Accuplacer or ACT if requirements not met via high school grade point average.

**Mid-State Technical College • Admissions**  
**500 32nd Street North, Wisconsin Rapids, WI 54494**

### For guaranteed course start date in core Surgical Technology Program courses (512-level classes):

- Complete General Anatomy & Physiology with a final grade of “C” or better.
- Verify completion of the above with assigned academic advisor.

## TECHNICAL STANDARDS

A list of specific physical, emotional, and mental tasks needed to function as a surgical technologist is available at [mstc.edu/programs/surgical-technology](http://mstc.edu/programs/surgical-technology). Contact the Disability Services coordinator in the Student Services & Information Center to receive assistance.

## CLINICAL-RELATED REQUIREMENTS

Prior to placement at a clinical site, students need to pay for a criminal background check and provide documentation of required health work to a private vendor.

Students are responsible for ensuring all requirements remain current during program enrollment.

Clinical sites have the right to refuse a student's placement based on inadequate health records, pending charges, or conviction records. Students with a criminal history may not be able to complete clinical courses. Mid-State will make two attempts to place a student in an appropriate clinical experience. If Mid-State is unable to place the student after two attempts, the student will be withdrawn from the clinical course and will not be able to advance in the program.

## PROGRAM PROGRESSION AND COMPLETION

In order to maintain a passing status and progress in the program, students must:

- Repeat courses not completed with a grade of “C” or better prior to progressing in core courses or other courses with co- or prerequisites.
- Receive a grade of “C” or better in all courses required for graduation.

Please note that the ability to repeat courses is dependent upon availability in courses. Students may be required to apply for program re-entry in order to repeat courses within the program's instructional area.

## STUDENT HANDBOOK

Visit [mstc.edu/studenthandbook](http://mstc.edu/studenthandbook) to view Mid-State's student handbook, which contains information about admissions, enrollment, appeals processes, services for people with disabilities, financial aid, graduation, privacy, Mid-State's Student Code of Conduct, and technology.

The GPS for Student Success course is required for all Mid-State program students and is recommended to be completed before obtaining 12 credits. (Not counted in the total credit value for this program.) Some students are exempt from this requirement. Please see your program advisor for more information.

Integrate necessary skills for student success by developing an academic plan, identifying interpersonal attributes for success, adopting efficient and effective learning strategies, and utilizing Mid-State resources, policies, and processes. This course is recommended to be completed prior to obtaining 12 credits and is a graduation requirement unless you receive an exemption from your program advisor.

Provides learners with opportunities to develop and expand reading and writing skills to prepare for college-level academic work. Students will employ critical reading strategies to improve comprehension, analysis, and retention of texts. Students will apply the writing process to produce well-developed, coherent, and unified written work.

Provides an introduction to algebra. Includes operations on real numbers, solving linear equations, percent and proportion, and an introduction to polynomials and statistics. Prepares students for elementary algebra and subsequent algebra-related courses.

## SAMPLE FULL-TIME CURRICULUM OPTION

Term		17 credits
10501101	Medical Terminology ☑	3
10512125	Intro to Surgical Technology	4
10512126	Surgical Tech Fundamentals 1	4
10512127	Exploring Surgical Issues	2
10806177	General Anatomy & Physiology ☑	4
Term		15 credits
10512128	Surgical Tech Fundamentals 2	4
10512129	Surgical Pharmacology	2
10512130	Surgical Skills Application	2
10806197	Microbiology ☑	4
10801136	English Composition 1 ☑ -or-	
10801195	Written Communication ☑	3
Term		16 credits
10512131	Surgical Interventions 1	4
10512132	Surgical Technology Clinical 1	3
10512133	Surgical Technology Clinical 2	3
10801198	Speech ☑ -or-	
10801196	Oral/Interpersonal Communication ☑	3
10809172	Introduction to Diversity Studies ☑ -or-	
10809166	Intro to Ethics: Theory & Practice ☑ -or-	
10809196	Introduction to Sociology ☑	3
Term		13 credits
10512135	Surgical Technology Clinical 3	3
10512136	Surgical Technology Clinical 4	3
10512142	Surgical Interventions II	4
10809198	Intro to Psychology ☑ -or-	
10809188	Developmental Psychology ☑	3
<b>Total credits 61</b>		

Please Note:

- This curriculum sequence is only for student planning. Actual student schedules will vary depending on course availability.
- Program completion time may vary based on student scheduling and course availability. For details, go to [mstc.edu/schedule](https://mstc.edu/schedule).

## SAMPLE PART-TIME CURRICULUM OPTION

Term		7 credits
10501101	Medical Terminology ☑	3
10806177	General Anatomy & Physiology ☑	4
Term		7 credits
10801136	English Composition 1 ☑ -or-	
10801195	Written Communication ☑	3
10806197	Microbiology ☑	4
Term		10 credits
10512125	Intro to Surgical Technology	4
10512126	Surgical Tech Fundamentals 1	4
10512127	Exploring Surgical Issues	2
Term		8 credits
10512128	Surgical Tech Fundamentals 2	4
10512129	Surgical Pharmacology	2
10512130	Surgical Skills Application	2
Term		10 credits
10512131	Surgical Interventions 1	4
10801198	Speech ☑ -or-	
10801196	Oral/Interpersonal Communication ☑	3
10809172	Introduction to Diversity Studies ☑ -or-	
10809166	Intro to Ethics: Theory & Practice ☑ -or-	
10809196	Introduction to Sociology ☑	3
Term		9 credits
10512132	Surgical Technology Clinical 1	3
10512133	Surgical Technology Clinical 2	3
10809198	Intro to Psychology ☑ -or-	
10809188	Developmental Psychology ☑	3
Term		10 credits
10512135	Surgical Technology Clinical 3	3
10512136	Surgical Technology Clinical 4	3
10512142	Surgical Interventions II	4
<b>Total credits 61</b>		

### MULTIPLE MEASURES

**Multiple Measures Writing (MMW):** High school GPA of 2.6 and successful completion of 2.0 credits of high school writing courses with a "C" or better

**Multiple Measures Math 1 (MMM\_1):** High school GPA of 2.6 and successful completion of 1.0 credits of high school math (Algebra 1 or equivalent) with a "C" or better

**Multiple Measures Science 1 (MMS\_1):** High school GPA of 2.6 and successful completion of 1.0 credits of high school lab science course with a "C" or better

**Multiple Measures Reading (MMR):** High school GPA of 2.6 and successful completion of 2.0 credits of high school literature courses with a "C" or better

**Multiple Measures Math 2 (MMM\_2):** High school GPA of 2.6 and successful completion of 2.0 credits of high school math including Algebra 1 and Algebra 2 with a "C" or better

**Multiple Measures Science 2 (MMS\_2):** High school GPA of 2.6 and successful completion of 1.0 credits of high school chemistry with a "C" or better

*Past high school and college transcripts are used in making course placement decisions.*

# COURSE DESCRIPTIONS

## Developmental Psychology ☑

**10809188.....3 credits**

Studies human development throughout the lifespan and explores developmental theory and research with an emphasis on the interactive nature of the biological, cognitive, and psychosocial changes that affect the individual from conception to death. Application activities and critical thinking skills enable students to gain an increased knowledge and understanding of themselves and others.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English*

## English Composition 1 ☑

**10801136.....3 credits**

Learners develop and apply skills in all aspects of the writing process. Through a variety of learning activities and written documents, learners employ rhetorical strategies, plan, organize and revise content, apply critical reading strategies, locate and evaluate information, integrate and document sources, and apply standardized English language conventions.

*Prerequisite: High School GPA of 2.6 and MMW or Accuplacer Writing of 262 or ACT English score of 20 or completion of College Reading and Writing 1 10831104 with a "C" or better*

## Exploring Surgical Issues

**10512127.....2 credits**

Explores a variety of issues related to surgical technology. Emphasis is placed is on becoming a professional member of the surgical team.

*Corequisites: Intro to Surgical Technology 10512125 and Surgical Tech Fundamentals 1 10512126*

## General Anatomy & Physiology ☑

**10806177..... 4 credits**

Examines basic concepts of human anatomy and physiology as they relate to health sciences. Using a body systems approach, the course emphasizes the interrelationships between structure and function at the gross and microscopic levels of organization of the entire human body. It is intended to prepare health care professionals who need to apply basic concepts of whole body anatomy and physiology to informed decision making and professional communication with colleagues and patients.

*Prerequisite: High School GPA of 2.6 and MMS\_1 and MMM\_1 or Accuplacer Reading Skills of 262 and QAS of 246 or ACT Math score of 19 and Reading score of 19 or College Math 10804107 or Intermediate Algebra with Applications 10804118 with a "C" or better, or General Chemistry 10806134, or General Biology 10806114, or Human Body in Health & Disease 31509302*

## Introduction to Diversity Studies ☑

**10809172.....3 credits**

This course introduces the study of diversity from a local to a global perspective using a holistic, interdisciplinary approach that encourages exploration and prepares students to work in a diverse environment. The course introduces basic diversity concepts, examines the impact of bias and power differentials among groups, explores the use of culturally responsive communication strategies, and compares forces that shape diversity in an international context.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English*

## Introduction to Sociology ☑

**10809196 .....3 credits**

Introduces students to the basic concepts of sociology: culture, socialization, social stratification, multi-culturalism, and the five institutions of family, politics, economics, religion, and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English*

## Intro to Ethics: Theory & Practice ☑

**10809166 .....3 credits**

Provides a basic understanding of the theoretical foundations of ethical thought. Diverse ethical perspectives are used to analyze and compare relevant issues. Students critically evaluate individual, social, and/or professional standards of behavior, and apply a systemic decision-making process to these situations.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English*

## Intro to Psychology ☑

**10809198 .....3 credits**

This science of psychology course is a survey of multiple aspects of behavior and mental processes. It provides an overview of topics such as research methods, theoretical perspectives, learning, cognition, memory, motivation, emotions, personality, abnormal psychology, physiological factors, social influences, and development.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English*

## Intro to Surgical Technology

**10512125..... 4 credits**

Provides the foundational knowledge of the occupational environment. Principles of sterilization and disinfection are learned. Surgical instruments are introduced. Preoperative patient care concepts are simulated. Lab practice is included.

*Prerequisites: Admission to Surgical Technology 105121; General Anatomy & Physiology 10806177 with a grade of "C" or better. Corequisite: Medical Terminology 10501101.*

## Medical Terminology ☑

**10501101..... 3 credits**

Focuses on the component parts of medical terms: prefixes, suffixes, and word roots. Learners practice formation, analysis, and reconstruction of terms. Emphasizes spelling, definition, and pronunciation. Introduces operative, diagnostic, therapeutic, and symptomatic terminology of all body systems as well as systemic and surgical terminology.

## Microbiology ☑

**10806197..... 4 credits**

Examines microbial structure, metabolism, genetics, growth and the relationship between humans and microbes. Addresses disease production, epidemiology, host defense mechanisms and the medical impact of microbes. Presents the role of microbes in the environment, industry, and biotechnology.

*Prerequisite: "C" or better in General Anatomy & Physiology 10806177 or General Biology 10806114 or Plant Biology 10806184*



# COURSE DESCRIPTIONS

## Oral/Interpersonal Communication ☑

### 10801196 .....3 credits

Focuses on developing effective listening techniques and verbal and nonverbal communication skills through oral presentation, group activity, and other projects. The study of self, conflict, and cultural contexts will be explored, as well as their impact on communication.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English*

## Speech ☑

### 10801198 .....3 credits

Explores the fundamentals of effective oral presentation to small and large groups. Topic selection, audience analysis, methods of organization, research, structuring evidence and support, delivery techniques, and other essential elements of speaking successfully, including the listening process, form the basis of this course. Includes informative, persuasive, and occasion speech presentations.

*Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 253 and Writing of 262 or ACT of 21 Reading/19 English or completion of College Reading and Writing 1 10831104 with a "C" or better*

## Surgical Interventions 1

### 10512131..... 4 credits

Provides the foundational knowledge of surgical core and specialty procedures. Examines the pathophysiology, diagnostic interventions, health sciences, and surgical techniques for a variety of procedures.

*Prerequisites: Surgical Tech Fundamentals 2 10512128 and Surgical Skills Application 10512130*

## Surgical Interventions II

### 10512142..... 4 credits

Expands knowledge of core and specialty surgical procedures by incorporating pathophysiology, diagnostic interventions, health sciences, and surgical techniques.

*Prerequisites: Surgical Interventions 1 10512131 and Surgical Technology Clinical 2 10512133*

## Surgical Pharmacology

### 10512129.....2 credits

Basic study of drug classifications, care, and handling of drugs and solutions, application of mathematical principles in dosage calculations, terminology related to pharmacology, anesthesia, and drugs used in surgery.

*Prerequisites: Surgical Tech Fundamentals 1 10512126*

## Surgical Skills Application

### 10512130 .....2 credits

Provides a transition from the academic to the clinical setting. Learners integrate the surgical technologist skills as they apply to various surgical procedures.

*Corequisite: Surgical Tech Fundamentals 2 10512128*

## Surgical Tech Fundamentals 1

### 10512126..... 4 credits

Focuses on preparing the patient and operating room for surgery. Principles of sterile technique are emphasized as the student moves into the scrub role. Lab practice is included.

*Corequisite: Intro to Surgical Technology 10512125*

## Surgical Tech Fundamentals 2

### 10512128..... 4 credits

Focuses on enhancing surgical technology skills while functioning as a sterile team member. Lab is included.

*Prerequisites: Surgical Tech Fundamentals 1 10512126, Microbiology 10806197, Surgical Pharmacology 10512129, and Exploring Surgical Issues 10512127*

## Surgical Technology Clinical 1

### 10512132.....3 credits

Apply basic surgical theories, principles, and procedural techniques in the operating room. Students begin to function as team members under the guidance of the instructor and authorized clinical personnel.

*Prerequisites: Surgical Tech Fundamentals 2 10512128 and Surgical Skills Application 10512130*

## Surgical Technology Clinical 2

### 10512133.....3 credits

Further experience in a clinical setting allows the student to continue to improve technical skills while accepting more responsibilities during surgical procedures.

*Prerequisites: Surgical Technology Clinical 1 10512132 and Surgical Skills Application 10512130*

## Surgical Technology Clinical 3

### 10512135.....3 credits

Further experience in a clinical setting allows the student to continue to improve technical skills while accepting more responsibilities during surgical procedures.

*Prerequisite: Surgical Technology Clinical 2 10512133*

## Surgical Technology Clinical 4

### 10512136.....3 credits

During this clinical course the student will function relatively independently. Serves as a transition from a student perspective to an employee by utilizing advanced skills for an entry level Surgical Technologist.

*Prerequisite: Surgical Technology Clinical 3 10512135*

## Written Communication ☑

### 10801195 .....3 credits

Develops writing skills which include prewriting, drafting, revising, and editing. A variety of writing assignments are designed to help the learner analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Also develops critical reading and thinking skills through the analysis of a variety of written documents.

*Prerequisite: High School GPA of 2.6 and MMW or Accuplacer Writing of 262 or ACT English score of 20 or completion of College Reading and Writing 1 10831104 with a "C" or better*