



# 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 central service with instrument processing. Training encompasses both classroom and lab instruction. You will gain clinical hands-on experience in surgery, ambulatory centers, central service, 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) • 60 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

- Central Service Technician
- Health & Wellness Promotion
- Health Information Management
- Medical Assistant
- Medical Coder
- Nursing
- Nursing Assistant
- Phlebotomy Technician
- Respiratory Therapy

## PROGRAM 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 program 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.

---

The Mid-State Technical College Surgical Technologist 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.
6. Complete Medical Terminology with final grade of "C" or better.

**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):

- Meet math requirement via one of the following options:
  - Math portion of Accuplacer with score of 79
  - Math portion of Next Generation Accuplacer with score of 259
  - Math ACT score of 18
  - College Math or Introduction to Statistics with a final grade of "C" or better
- 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.

Visit **[mstc.edu/studenthandbook](https://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.

*Prerequisite: Accuplacer Math score of 65, Accuplacer Algebra score of 30, ABE Math Prep V 76854785 and ABE Math Prep VI 76854786 with a grade of "S." (Note: ABE Math Prep V and VI courses cannot be used to satisfy program completion requirements at Mid-State.)*

## 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 ☑	3

Term		16 credits
10512131	Surgical Interventions 1	4
10512132	Surgical Technology Clinical 1	3
10512133	Surgical Technology Clinical 2	3
10801196	Oral/Interpersonal Communication ☑ -or-	
10801198	Speech ☑	3
10809166	Intro to Ethics: Theory & Practice ☑ -or-	
10809172	Introduction to Diversity Studies ☑	3

Term		13 credits
10512135	Surgical Technology Clinical 3	3
10512136	Surgical Technology Clinical 4	3
10512142	Surgical Interventions II	4
10809188	Developmental Psychology ☑ -or-	
10809198	Intro to Psychology ☑	3

**Total credits 61**

## SAMPLE PART-TIME CURRICULUM OPTION

Term		4 credits
10806177	General Anatomy & Physiology ☑	4

Term		9 credits
10501101	Medical Terminology ☑	3
10801136	English Composition 1 ☑	3
10809188	Developmental Psychology ☑ -or-	
10809198	Intro to Psychology ☑	3

Term		10 credits
10806197	Microbiology ☑	4
10801196	Oral/Interpersonal Communication ☑ -or-	
10801198	Speech ☑	3
10809166	Intro to Ethics: Theory & Practice ☑ -or-	
10809172	Introduction to Diversity Studies ☑	3

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
10512132	Surgical Technology Clinical 1	3
10512133	Surgical Technology Clinical 2	3

Term		10 credits
10512135	Surgical Technology Clinical 3	3
10512136	Surgical Technology Clinical 4	3
10512142	Surgical Interventions II	4

**Total credits 61**

### 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).

# 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 3.0 or Accuplacer Reading Skills of 236, Writing of 237 or ACT of 15 Reading/ 16 Writing. Students are encouraged to bring transcripts for further evaluation if they do not meet these requirements.*

## English Composition 1 ☑

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

Designed for learners to develop knowledge and skills in all aspects of the writing process. Planning, organizing, writing, editing, and revising are applied through a variety of activities. Students analyze audience and purpose, use elements of research, and format documents using standard guidelines. Individuals develop critical reading skills through analysis of various written documents.

*Prerequisite: High School GPA of 3.0 or Accuplacer Writing of 262 or ACT of 20 or College Reading and Writing 1 10831104 with a "C" or better or equivalent. Students are encouraged to bring transcripts for further evaluation if they do not meet these requirements.*

## Exploring Surgical Issues

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

Explores a variety of issues related to surgical technology. Emphasis is placed 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 3.0 or Accuplacer Reading Skills of 236 or ACT of 15, or General Chemistry 10806134 with a grade of "C" or better, or General Biology 10806114 with a grade of "C" or better, or Human Body in Health & Disease 31509302 with a "C" or better. Students are encouraged to bring transcripts for further evaluation if they do not meet these requirements.*

## Introduction to Diversity Studies ☑

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

Introduces learners to the study of diversity from a local to a global environment using a holistic, interdisciplinary approach. Encourages self-exploration and prepares the learner to work in a diverse environment. In addition to an analysis of majority/minority relations in a multicultural context, the primary topics of race, ethnicity, age, gender, class, sexual orientation, disability, and religion are explored.

*Prerequisite: High School GPA of 3.0 or Accuplacer Reading Skills of 236, Writing of 237 or ACT of 15 Reading/16 Writing. Students are encouraged to bring transcripts for further evaluation if they do not meet these requirements.*

## 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 3.0 or Accuplacer Reading Skills of 236, Writing of 237 or ACT of 15 Reading/16 Writing. Students are encouraged to bring transcripts for further evaluation if they do not meet these requirements.*

## 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 3.0 or Accuplacer Reading Skills of 236, Writing of 237 or ACT of 15 Reading/16 Writing. Students are encouraged to bring transcripts for further evaluation if they do not meet these requirements.*

## 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; Accuplacer Arithmetic of 259, ACT of 18, College Math 10804107 or Introductory Statistics 10804189 with a grade of "C" or better; 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.



# COURSE DESCRIPTIONS

## Microbiology ☒

### 10806197..... 4 credits

Examines microbial structure, metabolism, genetics, growth, and the relationship between humans and microorganisms. Disease production, epidemiology, host defense mechanisms, and the medical impact of microbes in the environment, industry, and biotechnology are also addressed.

*Prerequisite: General Anatomy & Physiology 10806177 with a "C" or better, or General Biology 10806114 with a "C" or better, or Plant Biology 10806184 with a grade of "C" or better.*

## 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 3.0 or Accuplacer Reading Skills of 236, Writing of 237, or ACT of 15 Reading/16 Writing. Students are encouraged to bring transcripts for further evaluation if they do not meet these requirements.*

## 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. Bring transcripts for further evaluation if they do not meet these requirements.

*Prerequisite: High School GPA of 3.0 or Accuplacer Reading of 253, Writing of 262, or ACT of 21 Reading/19 Writing, or completion of College Reading and Writing 1 10831104 with a "C" or better or equivalent. Students are encouraged to bring transcripts for further evaluation if they do not meet these requirements.*

## Surgical Interventions I

### 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 I 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*

## 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.

*Prerequisites: Surgical Technology Clinical 3 10512135*