



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

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.

NEW STUDENT CHECKLIST

Complete the following steps to prepare for your New Student Advising appointment with your academic advisor:

- ☐ Submit a Mid-State application at mstc.edu/apply.
- ☐ Send official transcripts to:
Mid-State Technical College
Student Services
1001 Centerpoint Drive
Stevens Point, WI 54481
- ☐ Complete the Free Application for Federal Student Aid (FAFSA) at fafsa.gov. Mid-State's Financial Aid team is available to assist with your FAFSA application and to answer your financial aid questions. Contact Financial Aid or schedule an appointment at mstc.edu/financial-aid.
- ☐ Set up student MyCampus account at mstc.edu/mycampus-assistance.
- ☐ Schedule a New Student Advising appointment at mstc.edu/advising.



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
DOWNTOWN 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.

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 those interested in continuing their education, Mid-State offers transfer agreements with various four-year colleges and universities. For more information and additional opportunities, visit mstc.edu/transfer.

OTHER OPTIONS

RELATED PROGRAMS

- Dental Assistant
- Health & Wellness Promotion
- Health Information Management
- Medical Assistant
- Medical Coder
- Nursing
- Nursing Assistant
- Phlebotomy Technician
- Radiography
- 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.

The Mid-State Technical College Surgical Technology program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA).

Commission on Accreditation of Allied Health Education Programs

9355 113th St. N, #7709
Seminole, FL 33775
727.210.2350 • www.caahep.org

Accreditation Review Council on Education in Surgical Technology and Surgical Assisting

19751 East Mainstreet, Suite #339
Parker, CO 80138
303.694.9262 • www.arcstsa.org

ENTRY CRITERIA

To apply to the Surgical Technology program, please complete the following steps:

1. Complete a Mid-State application at mstc.edu/apply.
2. Meet with an advisor for your new student advising appointment. Completion of the Criminal Background Statement of Understanding, Release of Information, and Technical Standards Form will be done at the appointment. These forms can also be found at mstc.edu/programs/surgical-technology.
3. 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. 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.

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** 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.

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.


The following courses may be recommended or required if the student does not achieve minimum Accuplacer scores.



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



Prerequisites/Required Prior to Beginning Surgical Technology Courses

10806177 General Anatomy & Physiology  4

Term	13 credits
10501101 Medical Terminology 	3
10512125 Intro to Surgical Technology	4
10512126 Surgical Tech Fundamentals 1	4
10512127 Exploring Surgical Issues 	2

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


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.


SAMPLE PART-TIME CURRICULUM OPTION



Prerequisites/Required Prior to Beginning Surgical Technology Courses






10806177 General Anatomy & Physiology  4

Term	6 credits
10501101 Medical Terminology 	3
10809198 Intro to Psychology  -OR-	
10809188 Developmental Psychology 	3

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	6 credits
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	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

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 2 credits HS Literature and 2 credits HS Writing -OR- Accuplacer Reading score of 236 and Writing score of 237 -OR- ACT Reading score of 15 and English score of 16 -OR- Complete College Reading and Writing with final grade of C or better

English Composition 1 ☑

108011363 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 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.

Prerequisites: High School GPA of 3.0 or Accuplacer Reading Skills of 236 or ACT of 15, or General Chemistry 10806134 or General Biology 10806114 or Human Body in Health & Disease 31509302. Cumulative High School GPA of 2.6 AND 1 Year Science with a Lab AND 1 Year Algebra + with C or better -OR- Accuplacer Reading Score of 262 and QAS Score of 246 -OR- ACT Math score of 19 AND Reading score of 19 -OR- College Math 10804107 -OR- Intermediate Algebra with Applications 10804118 -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 ☑

108091963 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 ☑

108091663 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 ☑

108091983 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

COURSE DESCRIPTIONS

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: 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 ☑

108011963 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 ☑

108011983 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 ☑

105121302 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, and Exploring Surgical Issues 10512127; Corequisites: Microbiology 10806197 and Surgical Pharmacology 10512129

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, Surgical Skills Application 10512130, General Anatomy & Physiology 10806177, and Microbiology 10806197

COURSE DESCRIPTIONS

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 ✍

108011953 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