# SURGICAL TECHNOLOGIST

## Technical Diploma
## Program Code: 31-512-1
## Total Credits: 36-38

The Surgical Technologist program at Mid-State prepares graduates to work as part of the surgical team in operating rooms, providing instruments and supplies to the surgeon. 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

### 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**.

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

- ❏ FAFSA (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**
**888.575.6782**
**TTY: 711**

## MID-STATE
### TECHNICAL COLLEGE

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

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

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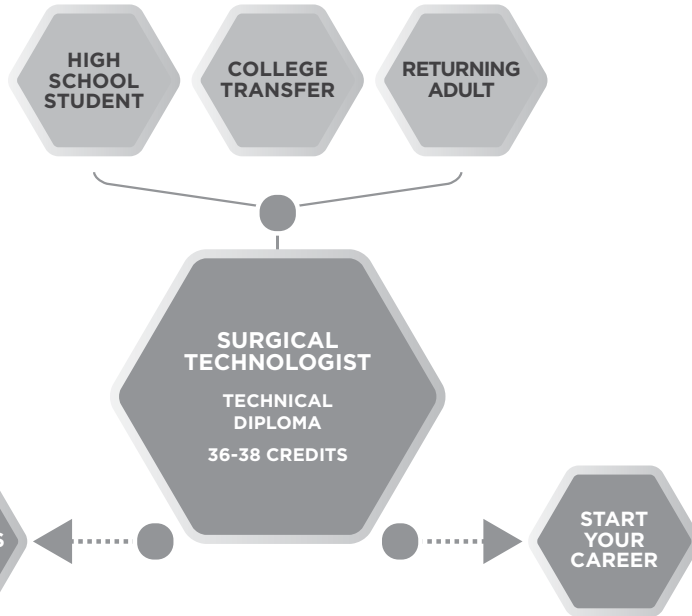1001 Centerpoint Drive
Stevens Point, WI 54481

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

# CAREER PATHWAY

## BEGIN AT ANY POINT IN THE PATHWAY

**College Credit • Dual Credit**
**Military Experience • Work Experience**

Learn about Credit for Prior Learning at **mstc.edu/cpl**.

**HIGH SCHOOL STUDENT**

**COLLEGE TRANSFER**

**RETURNING ADULT**

**SURGICAL TECHNOLOGIST**

**TECHNICAL DIPLOMA**

**36-38 CREDITS**

**EARN A BACHELOR'S DEGREE**

**START YOUR CAREER**

## OTHER OPTIONS

### RELATED PROGRAMS
- Central Service Technician
- Health & Wellness Promotion
- Health Information Management
- Medical Assistant
- Medical Coder
- Nursing
- Nursing Assistant
- Pharmacy Services Management
- Pharmacy Technician
- Phlebotomy Technician
- Respiratory Therapy

## CAREER OPTIONS
- Surgical Technologist
- Vascular/Cath Lab Surgical Technologist

## BACHELOR'S DEGREE OPTIONS
For more information and additional opportunities, visit **mstc.edu/transfer**.

## PROGRAM OUTCOMES

Employers will expect you, as a Surgical Technologist 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.

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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

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## ENTRY CRITERIA

To apply to the Surgical Technologist 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-technologist** (available after completion of program application).
3. Submit the Technical Standards Form found at **mstc.edu/programs/surgical-technologist**.
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 placement on list to begin core Surgical Technologist Program courses (515-level classes):**
- Complete Medical Terminology with 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-technologist**. 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** 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.

## GRADUATION REQUIREMENT
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.

### GPS for Student Success ✎
**10890102 .................................................................1 credit**
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 must be completed prior to obtaining 12 credits and is a graduation requirement.

## ADDITIONAL COURSES AS NEEDED
The following courses may be recommended or required if the student does not achieve minimum Accuplacer scores.

### Intro to College Reading
**10838104 .............................................................2 credits**
Provides learners with the opportunities to develop and expand reading skills, including comprehension and vocabulary skills. Learners apply reading skills to academic tasks and read to acquire information from a variety of sources.

### Intro to College Writing
**10831103 .............................................................3 credits**
Introduces basic principles of composition, including organization, development, unity, and coherence in paragraphs and multi-paragraph documents. The purpose of this course is to prepare students for successful entry into required program courses. This course is tuition bearing and under certain circumstances may qualify for financial aid. This course cannot be used to satisfy program completion requirements at Mid-State.
*Prerequisite: Accuplacer Sentence Skills score of 60 or equivalent. Proficiency in word processing skills recommended.*

### Pre-Algebra
**10834109 .............................................................3 credits**
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.
*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 | | 7 credits |
|---|---|---|
| 10501101 | Medical Terminology ✎ | 3 |
| 10806177 | General Anatomy & Physiology ✎ | 4 |

| Term | | 15-17 credits |
|---|---|---|
| 31512327 | ST: Introduction to Surgical Technology | 4 |
| 31512328 | ST: Fundamentals 1 | 4 |
| 31512329 | ST: Fundamentals 2 | 2 |
| 31512330 | ST: Clinical 1 | 3 |
| 10806197 | Microbiology ✎ | 4 |
| | -or- | |
| 31806311 | Applied Microbiology | 2 |

| Term | | 14 credits |
|---|---|---|
| 10501104 | Culture of Healthcare | 2 |
| 31512331 | ST: Surgical Procedures | 4 |
| 31512332 | ST: Clinical 2 | 4 |
| 31512334 | ST: Clinical 3 | 4 |

**Total credits 36-38**

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

| Term | | 7 credits |
|---|---|---|
| 10501101 | Medical Terminology ✎ | 3 |
| 10806177 | General Anatomy & Physiology ✎ | 4 |

| Term | | 4-6 credits |
|---|---|---|
| 10806197 | Microbiology ✎ | 4 |
| | -or- | |
| 31806311 | Applied Microbiology | 2 |
| 10501104 | Culture of Healthcare | 2 |

| Term | | 13 credits |
|---|---|---|
| 31512327 | ST: Introduction to Surgical Technology | 4 |
| 31512328 | ST: Fundamentals 1 | 4 |
| 31512329 | ST: Fundamentals 2 | 2 |
| 31512330 | ST: Clinical 1 | 3 |

| Term | | 12 credits |
|---|---|---|
| 31512331 | ST: Surgical Procedures | 4 |
| 31512332 | ST: Clinical 2 | 4 |
| 31512334 | ST: Clinical 3 | 4 |

**Total credits 36-38**

## Applied Microbiology
**31806311...................................................2 credits**

Directs the learner's understanding of aseptic techniques, antimicrobial methods, specimen collection, preparation of cultures, body defenses against microorganisms, the infectious process, and the transmission of disease-causing organisms. Students learn such techniques as standard and transmission-based precautions, sanitization, disinfection, sterilization, preparation of cultures, and microscopic slide preparations with simple staining and gram staining.

## Culture of Healthcare
**10501104...................................................2 credits**

An introduction to the culture of healthcare for students interested in working in various healthcare settings. Learners examine professionalism, interpersonal and written communication skills, problem-solving skills and patient privacy and confidentiality issues as they relate to healthcare.

## 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 10509102 with a "C" or better. Students are encouraged to bring transcripts for further evaluation if they do not meet these requirements.*

## 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 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*

## ST: Clinical 1
**31512330 ...............................................3 credits**

Applies 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. Surgical rotation case requirements are documented.

*Prerequisites: Introduction to Surgical Technology 31512327, Fundamentals 1 31512328, and CPR certification*

## ST: Clinical 2
**31512332............................................... 4 credits**

Further experience in a clinical setting allows the student to continue to improve technical skills while accepting more responsibilities during surgical procedures. Surgical rotation case requirements are documented.

*Prerequisites: ST: Clinical 1 31512330, ST: Fundamentals 2 31512329, and Applied Microbiology 31806311; Corequisite: ST: Surgical Procedures 31512331*

## ST: Clinical 3
**31512334 ............................................... 4 credits**

Enhances the student's technical experience and employee skills. Serves as a transition between student and employee. Applies advanced skills for the entry-level surgical technologist in the clinical setting. Surgical rotation case requirements are documented.

*Prerequisite: ST: Clinical 2 31512332; Corequisite: ST: Surgical Procedures 31512331*

## ST: Fundamentals 1
**31512328 ............................................... 4 credits**

Includes the basic clinical skills needed by the surgical technologist in the scrub role. Learners develop skills in disinfection, sterilization, identifying basic instrumentation, supplies, drains, catheters, dressings and sponges. Includes practice experience in creating a sterile field, draping, passing instruments and supplies, performing counts, and preparing supplies.

*Prerequisites: Admission to Surgical Technologist program 315121, Medical Terminology 10501101, and General Anatomy & Physiology 10806177*

## ST: Fundamentals 2
**31512329 ...............................................2 credits**

Builds upon and reinforces the role of the surgical technologist as a member of the operating room team. Discusses care of the patient before, during, and after surgery with emphasis on surgical wounds, wound closure materials, and vital signs. Includes lecture and lab experiences.

*Prerequisites: ST: Introduction to Surgical Technology 31512327 and ST: Fundamentals 1 31512328*

## ST: Introduction to Surgical Technology
**31512327............................................... 4 credits**

Provides the foundational knowledge of infection control and asepsis. Legal and ethical issues encountered in the healthcare environment are explored. Simulated laboratory practice enables the learner to develop beginning technical skills.

*Prerequisites: Admission to Surgical Technologist program 315121, Medical Terminology 10501101, and General Anatomy & Physiology 10806177*

## ST: Surgical Procedures
**31512331 ............................................... 4 credits**

Provides the foundational knowledge of surgical core and specialty procedures. Examines the pathophysiology diagnostic interventions, and surgical interventions for a variety of surgical procedures. Incorporates integration of basic health sciences and technical knowledge to complete a plan of action for a surgical procedure.

*Prerequisites: ST: Fundamentals 2 31512329, Clinical 1 31512330, and Applied Microbiology 31806311*