

SURGICAL TECHNOLOGIST



PROGRAM OUTCOMES

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

- Apply health science principles to the peri-operative environment
- Apply principles of disinfection and sterilization to the surgical environment, equipment and instrumentation
- Maintain principles of aseptic technique in the surgical environment
- Prepare the operating room by gathering equipment and supplies
- Pass instruments, equipment and supplies
- Provide a safe, efficient and supportive environment for the peri-operative patient
- Anticipate the sequence of events during surgical procedures
- Prepare and manage medications and solutions
- Function as an ethical, legal and moral member of the health care team within the Surgical Technologist scope of practice

Program Code 31-512-1

Expected Program Costs: \$5,400

Median Annual Salary: \$35,000

OVERVIEW

This program provides you with the knowledge and skills to qualify for a position as a Surgical Technologist. As part of the surgical team, you will be working in operating rooms under the supervision of surgeons and registered nurses. You will be required to participate in surgical procedures by providing instruments and supplies to the surgeon. Skills and techniques used in central service with instrument processing are also learned.

Both classroom instruction and clinical experience are part of the curriculum. Surgical technology involves minimal patient contact. Clinical experiences include surgery, ambulatory surgery, central service and related areas. Upon graduation, one becomes eligible to apply for the Certified Surgical Technologist certifying exam.

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:

35 East Wacker Dr. Suite 1970
Chicago, IL 60601-2208
312.553.9355

The Surgical Technologist program is offered at the Marshfield campus.

CAREER OPTIONS

Ambulatory Surgery Aide/Technician
Cath Lab Surgical Technologist
Central Service Technician
Dental Office Assistant
Emergency Room Technician
Material Management
Obstetrics Assistant
Podiatric Assistant
Surgical Office Assistant
Surgical Technician
Surgical Technologist
Veterinary Surgery Assistant

POTENTIAL FOR ADVANCEMENT

Physician Assistant
Registered Nurse
Surgical First Assistant

Potential advancement generally requires further education.

ADMISSIONS PROCEDURES

To apply to the Surgical Technologist program, please complete the following steps and submit documents to the MSTC Admissions Office:

Step 1:

1. Complete an MSTC application form and return it with the \$30 non-refundable application fee.

2. Complete the Accuplacer or ACT test. Minimum scores required:

- Reading-Accuplacer score of 55
- Sentence Skills-Accuplacer score of 60
- Math-Accuplacer score of 34
- ACT equivalents for above scores are acceptable.

If a student does not meet the required test scores, they may retest or complete an identified structured course(s) in the Academic Support Center.

3. Submit an official copy of all academic transcripts, including high school, college or university and HSED/GED.
4. Complete a Background Information Disclosure (BID) form and submit \$15 for Caregiver Background check. The Wisconsin Caregiver Law requires a background check. This form is available at <http://www.mstc.edu/pdf/BIDform.pdf>.
5. Complete the online program information session found on MSTC's website to learn about the profession, academic requirements and impact on one's personal life.

When the requirements for Step 1 are completed, the student will be conditionally admitted to the program and may be eligible for financial aid.

Step 2:

To be eligible to enroll in Surgical Technologist core courses, complete the following requirements:

1. Complete Intro to College Reading and Study Skills with a grade of "C" or better, an Accuplacer Reading score of 67 or higher, or ACT equivalent.
2. Complete Intro to Writing with a grade of "C" or better, an Accuplacer Sentence Skills score of 67 or higher, or ACT equivalent.
3. Complete ASC Math or Prep for Basic Chemistry with a grade of "C" or better, an Accuplacer Math score of 65 or higher, or ACT equivalent.
4. Complete a job shadow. Contact the program counselor for details.
5. Complete Medical Terminology with a grade of "C" or better.
6. Complete Human Body in Health and Disease or General Anatomy & Physiology or approved equivalent with a grade of "C" or better.
7. Complete health care provider/professional level CPR.
8. Complete the Intent to Enroll form and submit proof of completion of all requirements to the Student Affairs Office in Wisconsin Rapids.

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

CREDIT FOR PRIOR LEARNING

Credit for Prior Learning is available for certain courses in the form of high school advanced standing, transfer credit, test credit, military experience and experiential credit. Please contact an MSTC counselor with questions you may have regarding this option.

FUNCTIONAL ABILITIES

A list of specific physical, emotional and mental tasks needed to function as a Surgical Technologist is available at mstc.edu. It is the student's responsibility to notify the disability services coordinator in the Student Affairs Office to receive assistance.

CLINICAL RELATED REQUIREMENTS

Clinical sites have the right to refuse a student's admission based on pending charges and conviction records. If you have a criminal history, you may not be able to complete clinical courses. MSTC will make two attempts to place a student in a clinical experience.

Prior to beginning a clinical experience in a health care facility, students must:

- a. Provide evidence of good health by completion of required health work.
- b. Provide evidence of current CPR.
- c. Accept responsibility for clinical assignment(s) regardless of time and location, including transportation and other personal arrangements.

Contact the program counselor for more details.

PROGRAM PROGRESSION

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

- Receive a grade of "C" or better in all core, general education and transfer courses
- Maintain a program GPA of 2.0 or higher

If a student is not successful in a 31-512 core course, he/she will need to repeat that course prior to progressing in the program. Potential continuation is dependent upon availability in the course/program.

Students will receive three attempts to pass each 31-512 course. If a passing grade is not achieved in three attempts, the student will be withdrawn from the program. A withdrawal grade of "W" counts as one attempt for the course. Requests for special consideration may be directed to the Service & Health Associate Dean.

CURRICULUM

Term (7-8 credits)

10501101	Medical Terminology	3
10509102	Human Body in Health and Disease	3
-or-		
10806177	General Anatomy & Physiology	4

Term (15-17 credits)

10512104	Applied Microbiology	2
-or-		
10806197	Microbiology	4
31512327	ST: Introduction to Surgical Technology	4
31512328	ST: Fundamentals 1	4
31512329	ST: Fundamentals 2	2
31512330	ST: Clinical 1	3

Term (15 credits)

31512331	ST: Surgical Procedures	4
31512332	ST: Clinical 2	4
31512334	ST: Clinical 3	4
10801195	Written Communication- or-	
10801196	Oral/Interpersonal Communication	3

Total Credits 37-39

Please Note:

- The Surgical Technologist program has an August start. Please note that first term classes listed in the catalog are required before final program acceptance and entrance into the core Surgical Technologist courses (those with numbers beginning with 31-512-3). We advise you to meet with an academic advisor or counselor to successfully plan your academic schedule.
- This curriculum sequence is only for student planning. Actual student schedules will vary depending on course availability.
- Degree completion time may vary based on student scheduling and course availability.
- For General Education course descriptions (800 level), see section marked under Course Descriptions.

SURGICAL TECHNOLOGIST

PROGRAM COURSE DESCRIPTION

10501101 // 3 credits

Medical Terminology

Students focus on the component parts of medical terms: prefixes, suffixes and word roots. Students will practice formation, analysis, and reconstruction of terms. Emphasis on spelling, definition, and pronunciation. Introduction to operative, diagnostic, therapeutic, and symptomatic terminology of all body systems, as well as systemic and surgical terminology.

10509102 // 3 credits

Human Body in Health and Disease

Focuses on diseases that are frequently first diagnosed and treated in the medical office setting. Students learn to recognize the causes, signs, and symptoms of diseases of the major body systems as well as the diagnostic procedures, usual treatment, prognosis and prevention of common diseases.

Corequisite: Medical Terminology 10501101

10512104 // 2 credits

Applied Microbiology

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.

31512327 // 4 credits

ST: Introduction to Surgical Technology

Provides the foundational knowledge of disinfection, sterilization, 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, Human Body in Health and Disease 31509302 or General Anatomy & Physiology 10806177

31512328 // 4 credits

ST: Fundamentals 1

Includes the basic clinical skills needed by the Surgical Technologist in the scrub role. Learners develop skills in 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, Human Body in Health and Disease 31509302 or General Anatomy & Physiology 10806177

31512329 // 2 credits

ST: Fundamentals 2

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: Intro to Surgical Technology 31512327, Fundamentals 1 31512328

31512330 // 3 credits

ST: Clinical 1

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. There is no remuneration for students enrolled in this course.

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

31512331 // 4 credits

ST: Surgical Procedures

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

31512332 // 4 credits

ST: Clinical 2

Further experience in a clinical setting allows the student to continue to improve technical skills while accepting more responsibilities during surgical procedures. There is no remuneration for students enrolled in this course.

Prerequisites: ST: Clinical 1 31512330, ST: Fundamentals 2 31512329; Corequisite: ST: Surgical Procedures 31512331

31512334 // 4 credits

ST: Clinical 3

Enhances the student's technical experience and employee skills. Serves as a transition between student and employee. Application of advanced skills for the entry-level surgical technologist in the clinical setting. There is no remuneration for students enrolled in this course.

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