

Surgical Technologist

Technical Diploma

Overview

This program will provide 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 Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Accreditation Review Committee on Education in Surgical Technology (ARC-ST).

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.



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 healthcare team within the Surgical Technologist scope of practice

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 submit the following to MSTC Student Affairs Admissions Office:

1. WTCS application form and \$30 non-refundable application fee
2. Completed Accuplacer test. (Other test scores may be acceptable alternatives.) Entrance exam requirements for the Surgical Technologist program are:
 - Reading–Accuplacer score of 67 or equivalent
 - Language–Accuplacer score of 67 or equivalent
 - Math–Accuplacer score of 67 or equivalent

If a student does not meet the required scores in these academic areas, they may remediate and retest or complete an identified structured remediation course(s) in the Academic Support Center.

3. High school transcript or GED/HSED scores
4. Completed Background Information Disclosure (BID) Form
5. Wisconsin's Caregiver Law (1997 WISCONSIN ACT 27) requires all students have a Caregiver Background Check (nonrefundable \$10.00 fee). Based upon results of the criminal background check, a student may be denied access to clinical agencies and thus would not be able to complete the program or be employed in health care. Also, clinical agencies will be notified of all students with pending charges and convictions and agencies can decline student admission to that agency. For the most current information on the Caregiver Law, visit www.dhfs.state.wi.us

6. Students are responsible for transportation to and from classroom, lab and clinical sites

Mid-State Technical College
Admissions
500 32nd Street North
Wisconsin Rapids, WI 54494
mstc.edu
888.575.MSTC

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 any questions you may have regarding this option.

Functional Abilities

A list of specific physical, emotional and mental tasks needed to function as a healthcare provider is available in Student Affairs Offices or at mstc.edu. It is your responsibility to notify the ADA Counselor in Student Affairs to receive assistance.

Clinical Related Requirements

Successful completion of this program requires a clinical experience. Prior to beginning a clinical experience in a healthcare facility, students must:

- a) Provide evidence of good health by completion of required health work within three months prior to starting their clinical experience
- b) Provide evidence of current CPR
- c) Purchase liability insurance through MSTC
- d) Obtain the required uniform for clinical experiences
- e) Accept responsibility for clinical assignment(s) regardless of time and location, including transportation and other personal arrangements

Surgical Technologist Program Progression

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

- Receive an 80% or better in all Surgical Technician 31-512 courses
- Receive a "C-" or better in all other program courses
- Maintain a program GPA of 2.0 or higher

If a student is not successful in a 31-512 course, they will be withdrawn from the program sequence. Students may continue in the program by writing a letter to the Surgical Technologist Associate Dean, Service & Health Division. This letter must specifically include changes the student has made to achieve academic success. Potential continuation is dependent upon availability in course/program.

Students will receive three attempts to pass any Surgical Technologist program courses. If a passing grade is not achieved in three attempts, the student will be permanently withdrawn from the program or program waiting list. A withdrawal grade of "W" counts as one attempt for the course.

Curriculum

First Semester-Summer (5-7 Credits)

10501101	Medical Terminology	3
10806177	General Anatomy & Physiology	4
	or	
31509302	Human Body in Health & Disease	3
	or	
31509308	Anatomy & Physiology	2

Second Semester-Fall (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

Third Semester (14-15 Credits)

10501104	Healthcare Customer Service	2
	or	
10801195	Written Communication	3
	or	
10801196	Oral/Interpersonal Communication	3
31512331	ST: Surgical Procedures	4
31512332	ST: Clinical 2	4
31512334	ST: Clinical 3	4

Total Credits 34-38

Please Note:

- The Surgical Technologist program has a June starting date. However, we advise you to meet with a counselor to successfully plan your academic schedule.
- For General Education Course Descriptions (800 level courses), see section marked Course Descriptions.

Surgical Technologist (Continued)

Program Course Descriptions

10501101

Medical Terminology 3 credits

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.

10501104

Healthcare Customer Service 2 credits

This course is designed as an introduction to customer service for learners interested in working in various healthcare settings. The learner investigates healthcare systems, safety standards, and the workforce. The learner examines professionalism, interpersonal and written communication skills and confidentiality as they relate to customer service in healthcare.

10512104

Applied Microbiology 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.

31509302

Human Body in Health & Disease 3 credits

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.

31509308

Anatomy & Physiology 2 credits

Enables the learner to more effectively assist patients in regaining and/or maintaining a healthy body through a basic overview and understanding of the human body and its systems.

31512327

ST: Introduction to Surgical Technology 4 credits

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, Anatomy & Physiology 31509308 or Human Body in Health and Disease 31509302 or General Anatomy & Physiology 10806177

31512328

ST: Fundamentals 1 4 credits

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, General Anatomy & Physiology 31509308 or Human Body in Health and Disease 31509302 or General Anatomy & Physiology 10806177

31512329

ST: Fundamentals 2 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: Intro to Surgical Technology 31512327, Fundamentals 1 31512328

31512330

ST: Clinical 1 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. There is no remuneration for students enrolled in this course. Prerequisites: Intro to Surgical Technology 31512327, Fundamentals 1 31512328 and CPR certification

31512331

ST: Surgical Procedures 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

31512332

ST: Clinical 2 4 credits

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

ST: Clinical 3 4 credits

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