

Surgical Technology

PROGRAM DESCRIPTION

In this program, the student will develop the knowledge, skills and attitudes necessary to practice as a certified surgical technologist by acquiring the following fundamental capabilities:

- Utilize appropriate medical terminology.
- Apply a basic understanding of human physiology and surgical anatomy in the perioperative role of a surgical technologist.
- Demonstrate a basic understanding of the concepts of pharmacology.
- Demonstrate theoretical and practical proficiency in surgical aseptic technique, surgical procedures and patient care.
- Identify and assume appropriate responsibility for patient care.



Prior to completing the program, students will take the national boards for the Certification in Surgical Technology. The Surgical Technology program is accredited by the Commission on Accreditation of Allied Health Programs (CAAHEP), www.caahep.org.

KEY LEARNING OBJECTIVES

Graduates of the associate in applied science in Surgical Technology program will function at an entry-level position as a Surgical Technologist with the following skills:

- Use appropriate instrumentation and procedural steps in general surgery, obstetrics-gynecology, genitourinary, otolaryngology, eye, plastic and reconstructive, neurosurgery, vascular, cardiovascular-thoracic, and orthopedic surgical areas.
- Apply a basic understanding of human physiology and surgical anatomy in the preoperative role of a surgical technologist.
- Use appropriate aseptic techniques in surgery.
- Utilize appropriate medical terminology.
- Make basic measurements for dosage and drug calculations.
- Use safe handling procedures for drugs, and solutions.



PREREQUISITES

AAS Degree: high school level Algebra I and either Biology with Lab or Chemistry with Lab required.

Candidates who have completed application requirements and have met all program prerequisites may be invited to attend an information session with faculty. Attendance at a session is required prior to receiving a decision.

Questions about this competitive program should be directed to Stacy Green, Director of Admissions, at 207-974-4679 or sgreen@emcc.edu.

CRIMINAL BACKGROUND SCREENING

Individuals offered admission to the Surgical Technology program will be required to submit to a national criminal background screening, at a minimum cost of \$75 (may be higher), within 30 days of acceptance. Applicants who have engaged in any activity or behavior which may be considered abuse, neglect or exploitation of a minor or of an incapacitated or dependent adult, or who has been convicted of any crime involving fraud or dishonesty, or drugs, or for which imprisonment of one year or more has been imposed are urged to seek clarification regarding program completion requirements from the Director of Admissions.



Programs of Study

Automotive
Building Construction
Business Management-Career Option
Business Management-Transfer Option
Business Management-Small Business
Career Studies
Computer Repair Technology
Computer Technology—Coding Option
Computer Technology—Networking
Criminal Justice
Culinary Arts
Diesel, Truck & Heavy Equipment
Digital Graphic Design
Early Childhood Education
Education-Career & Technical Education
Education-Elementary Education
Education-Experiential Education
Education-Secondary Education
Electrical and Automation Technology
Electricians Technology
Emergency Medical Services
Fine Woodworking & Cabinet Making
Fire Science
Human Services
Liberal Studies
Medical Assistant
Medical Office Technology
Medical Office-Health Care Secretary
Medical Radiography
Nursing
Plumbing
Refrigeration, Air Conditioning & Heating
Restaurant & Food Service Management
Substance Abuse Rehabilitation Tech
Surgical Technology
Trade & Technical Occupations
Welding

Admissions Office—EMCC

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FAX: 207-974-4683

Email: admissions@emcc.edu

www.emcc.edu

SURGICAL TECHNOLOGY

Associate in Applied Science Degree

FIRST SEMESTER (FALL)	CREDITS
BIO 127 Anatomy & Physiology I with Lab	4
ENG 101 College Composition	3
PSY 101 Introduction to Psychology	3
Restricted	
Elective Any Communications (100 level or higher)	3
Restricted	
Elective Any Humanities/Social Science	3
SECOND SEMESTER (SPRING)	CREDITS
BIO 128 Anatomy & Physiology II with Lab	4
MRT 131 Medical Terminology (or BMT1113)	1
SUR 105 Introduction to Surgical Technology	7
SUR 117 Pharmacology for Surgical Technologists (online course)	2
THIRD SEMESTER (SUMMER)	CREDITS
BIO 216 General Microbiology	4
SUR 118 Surgical Technology I	15
FOURTH SEMESTER (FALL)	CREDITS
SUR 123 Surgical Technology II	16
TOTAL AAS DEGREE CREDITS	65

PHYSICAL REQUIREMENTS

The Surgical Technologist must be able to do the following:

- Stand, bend, stoop, and/or sit for long periods of time in one location with minimum/no breaks.
- Lift a minimum of 20 pounds.
- Refrain from nourishment or rest room breaks for periods up to 6 hours.
- Demonstrate sufficient visual ability to load a fine (10-0) suture onto needles & needle holders with/without corrective lenses & while wearing safety glasses.
- Demonstrate sufficient peripheral vision to anticipate and function while in the sterile surgical environment.
- Hear and understand muffled communication without visualization of the communicator's mouth/lips and within 20 feet.
- Hear activation/warning signals on equipment.
- Detect odors sufficient to maintain environmental safety and patient needs.
- Manipulate instruments, supplies, and equipment with speed, dexterity, and good eye-hand coordination.
- Ambulate/move around without assistive devices.
- Assist with and/or lift, move, position and manipulate, with or without assistive devices, the patient who is unconscious.
- Communicate and understand fluent English both verbally and in writing.
- Be free of reportable communicable diseases and chemical abuse.
- Demonstrate immunity to rubella, rubeola, tuberculosis, and hepatitis B, or be vaccinated against these diseases, or be willing to sign a waiver of release of liability with regard to these diseases.
- Possess short- & long-term memory sufficient to perform tasks such as, but not limited to, mentally tracking surgical supplies & performing anticipation skills intraoperatively.
- Make appropriate judgment decisions.
- Demonstrate the use of positive coping skills under stress.
- Demonstrate calm & effective responses, especially in emergency situations.
- Exhibit positive interpersonal skills in patient, staff, and faculty interactions.

Individuals enrolled in the Surgical Technology program at EMCC will be exposed to latex during clinical rotations. The clinical sites cannot be completely latex-free. If you have a known or suspected latex allergy, you are urged to contact the Clinical Coordinator before pursuing Surgical Technology as a career.

DID YOU KNOW?

**EMCC provides campus housing
for over 260 students.**



**EMCC's Student Success Center
offers tutoring services free of
charge to our students.**



**EMCC's Athletic Department
sponsors many on-
campus intramural
sports and
recreational events.**

**EMCC students enjoy small class
sizes, supportive faculty,
transferable courses and
leadership/engagement
opportunities all for under \$4,000
per year**

(most programs, based on 30 credit
hours, in-state rate)

Campus tours are available.

**Call 207-974-4857 or schedule an
appointment through our website.**

**For more information or to apply
online, visit us on the web at**

www.emcc.edu

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**EMCC is an equal opportunity/affirmative
action institution and employer. For more info,
please call 207-974-4633.**