

# 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](http://www.caahep.org).

## KEY LEARNING OBJECTIVES

Graduates of the 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



## 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.

## PREREQUISITES

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

**Applications for the fall 2018 Surgical Technology program will be accepted from September 1, 2017, through February 1, 2018. Applicants will have until March 1, 2018, to complete their application by submitting supporting documentation.**

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

Questions about this highly competitive program should be directed to Stacy Green, Director of Admissions, at 207-974-4679 or [sgreen@emcc.edu](mailto:sgreen@emcc.edu).



### Programs of Study

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

### Admissions Office—EMCC

354 Hogan Road  
 Bangor, ME 04401  
 Phone: 207-974-4680  
 Toll-Free: 800-286-9357 (in Maine)  
 FAX: 207-974-4683  
 Email: [admissions@emcc.edu](mailto:admissions@emcc.edu)  
[www.emcc.edu](http://www.emcc.edu)

## SURGICAL TECHNOLOGY

### Associate in Applied Science Degree

| FIRST SEMESTER  | CREDITS   |
|---|-----------|
| BIO 121 Anatomy & Physiology I                                  | 3         |
| BIO 124 Anatomy & Physiology I Laboratory                       | 1         |
| 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 (100 level or higher)    | 3         |
| SECOND SEMESTER   | CREDITS   |
| BIO 122 Anatomy & Physiology II                                 | 3         |
| BIO 126 Anatomy & Physiology II Laboratory                      | 1         |
| MRT 131 Medical Terminology                                     | 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 114 Surgical Technology I                                   | 15        |
| FOURTH SEMESTER (FALL)  | CREDITS   |
| SUR 123 Surgical Technology II                                  | 16        |
| <b>TOTAL AAS DEGREE CREDITS</b>                                 | <b>65</b> |

### 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](http://www.emcc.edu)**

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latest EMCC news!**



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