Eastern Maine Community College

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.

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.

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 BMT 113)	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
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.