

Surgical Technologist Training Program

CIP Code: 51-0909

Program Description:

The Surgical Technologist Training Program is designed to prepare students to function as members of the surgical team in hospitals and clinics with registered nurses and surgeons in the operating room. The program curriculum consists of medical terminology; human anatomy and physiology; fundamentals of pharmacology; microbiology and immunology. Students are taught ethics as well as good communication skills to enhance teamwork in operating rooms. Students are familiarized with basic knowledge of surgical instruments, aseptic techniques, draping techniques and surgical site management.

Following are the tasks a surgical technologist must perform with every surgery:

Preoperative (Sterile Hands): The surgical technologist is the first person to enter the OR before surgery. During this preoperative phase the surgical technologist adheres closely to the following routine:

- Carefully wears his/her operating room attire, including scrubs
- Begins to prepare and sterilize the operating room and maintain OR's sterile environment
- Gathers all of the equipment and surgical tools that the surgery requires
- Sterilizes, counts and carefully arranges surgical tools

Intraoperative (The Third Hand): During the intraoperative phase of the surgery, surgical technologists are still responsible for maintaining the sterility of the OR, but they also effectively become a "third hand" to the surgeon and surgeon's assistant during the procedure and perform the following tasks:

- Help prepare medications & administer them to the patient
- Assist in retracting tissues from the patient
- Passes the surgical tools to the surgeon and [surgical assistant](#) during the operation

Postoperative (Tying Things Up): As the operation concludes, surgical techs are responsible for the following:

- Counting all of the tools and instruments used during surgery to ensure that nothing is left behind in a patient
- Suture the incision and apply disinfected dressings to the area
- Dispose of items such as needles and gauze. Also continue to maintain the OR's sterile environment until the patient is sent to the recovery ward

Program Objectives:

Grasp concepts of human anatomy, physiology, pathophysiology, pharmacology & infectious process

Understand the principles of safe patient care in the preoperative, intraoperative, and postoperative settings

Recognize the interdependent role of the Surgical Technologist with the other team members and ancillary services providers

Develop and apply fundamental surgical assisting skills through practice and evaluation in the clinical setting

Accurately apply the principles of asepsis across the spectrum of common surgical experiences

Employ the Standard Precautions and other recognized safe practice guidelines in every surgical setting

Recognize the variety of patients' needs and the impact of his or her personal, physical, emotional and cultural experiences on the rendering of patient care

Demonstrate professional responsibility in performance, attitude and personal conduct

After successfully completing the program, students will be awarded Certificate of Completion from our College approved by the State. Also students will be eligible to become a "Certified Tech in Surgery" through NCCT.

Program Duration:

12 months

Clock Hours:

1255

Program Curriculum:

BIO101 Basic Medical Terminology

BIO 102 Human Anatomy and Physiology I

BIO103 Fundamentals of Pharmacology

BIO 106 Human Anatomy and Physiology II

SUR 111 Surgical Technology I

SUR 112 Surgical Instrumentation I

SUR 113 Surgical Technology II

SUR 114 Surgical Instrumentation II

SUR 115 Surgical Technology III

SUR 116 Surgical Instrumentation III

SUR 121 Externship I

Program Format:

The College will offer this program in on-ground format as well as in hybrid format in which students can take didactic/ theory courses using online delivery method.

Program Completion:

A Certificate of Completion will be awarded to those students who will successfully complete all required courses as per college's Satisfactory Academic Requirements and fulfill their financial obligation towards the college.

Certification:

Graduates who will meet additional requirements, including but not limited to ethics requirements, of the credentialing agency will be eligible to challenge national certification exam to become certified by passing the credentialing examination.