



DIPLOMA IN SURGICAL TECHNOLOGIST

Program Description

The fundamental purpose of surgical technologist diploma program is to equip students with the skills required to work as a member of the surgical team in clinics and hospitals along with registered surgeons and nurses in the operation theatre. Medical terminology, human anatomy and physiology, and the foundations of pharmacology, microbiology, and immunology are all covered in the diploma in surgical technologist program curriculum.

Ethics and effective communication techniques are taught to students in order to improve teamwork in operating rooms. Students learn the fundamentals of surgical instruments, aseptic techniques, draping techniques, and surgical site management.

Activities of a Surgical Technologist

The following are the activities of a surgical technologist during every surgery:

Preoperative (Sterile hands) – The surgical technologist is the very first person who enters the operating room (OR) before surgery. The surgical technologist closely follows and performs the following duties during this pre-operative stage:

- Carefully wear his/her scrubs and other operating room attire
- Clean, sterilize, and maintain the sterile environment in the Operating Room (OR)
- Gathers all of the necessary surgical equipment and tools
- Sterilizes, counts, and also carefully arranges all these surgical tools

Intraoperative (The Third Hand) – Surgical technologists are still responsible for keeping the operating room sterile during the intraoperative stage of the procedure, but they also serve as the surgeon and surgeon's assistant's "third hand" and undertake the following duties:

- Assist in terms of medication preparation and patient administration.
- Help the patient in the retraction of tissues

- Passes the required surgical equipment or tools to the surgeon & surgical assistant during the operation.

Postoperative (Tying Things Up) – After the operation, these sorts of surgical techs are responsible for the following:

- Counting all tools and equipment used during surgery to make sure that there is nothing left inside the patient.
- Suture the incision and cover it with disinfected dressings.
- Carefully dispose of the items such as needles and gauze used during the operation. Until the patient is transferred to the recovery ward, keep the operating room's sterile environment as well.

Program Details

Course Duration

14 Months

Quarter Credit Hours

62

Program Curriculum

- **Technical Courses** 62 Quarter Credit Hours

Program Learning Outcomes

Students of our surgical tech diploma programs will be able to:

1. Grasp the concepts & principles of human anatomy, physiology, pathophysiology, pharmacology, and infectious processes.
2. Understand the fundamentals of safe patient care in preoperative, intraoperative, and postoperative environments.
3. Demonstrate the Surgical Technologist's interdependence with other team members as well as ancillary service providers.
4. Through practice and careful evaluation in the clinical environment, develop and apply essential surgical assisting skills.
5. Apply the asepsis principles accurately to a variety of regular surgical experiences.
6. In every surgical setting, follow the Standard Precautions and other officially recognized safe practice standards & guidelines.
7. Recognize the wide variety of patient's needs and how the patient's personal, physical, emotional, and cultural experiences may affect the way in which medical care is rendered.
8. Demonstrate ethical/professional behavior in your performance, attitude, and personal interactions.

Program Career Opportunity

The surgical tech diploma program at Stellar Career College opens a wide array of opportunities for students that include, but are not limited to, the following:

- Surgical Technologist
- Sterile Processing Clerk
- Surgical Technologist Lead
- Sterile Processing Technician
- Certified Medical Assistant
- Orthopedic Technologist
- Clinical Nurse for Operating Room
- Radiology Practice Coordinator
- Surgical Assist Coordinator
- Certified Surgical First Assistant

Program Completion

Students who successfully accomplish all required courses in accordance with the college's Satisfactory Academic Requirements and meet their financial obligations toward the college will receive a surgical technologist certification.

Graduates will be eligible to sit for the national certification examination offered by NCCT to become "Techs in Surgery."

Program Format

The College will deliver this certified training program in a hybrid format of instructions delivery. Online and virtual technologies will be used to teach didactic courses, whereas laboratory courses will be delivered on-site or via virtual technologies. The students will complete the necessary clinical competencies and hours at their specific clinical sites.