Program Goals and Learning Domains of the Surgical Technology Program

Citation: MassBay Surgical Technology Student Handbook rev February 2016

To accomplish the Mission of the Program, the instructors and graduates of the Program will realize the following Cognitive Domain, Psychomotor and Affective Domain Goals:

COGNITIVE DOMAIN:
The goal of the program is to provide students with a comprehensive background in the basic sciences, with mastery of aseptic technique, with perfection of surgical skills, and with a keenly developed surgical conscience as established in the AST Core Curriculum Edition.

OBJECTIVES:

a. Apply the knowledge of anatomy, physiology, microbiology, and pharmacology to the care of the perioperative patient as it relates to the role of the Surgical Technologist.
b. Utilize knowledge and skills to attend to the physical, psychological and social needs of the patient.
c. Qualify to sit for the NBSTSA Certification Exam.
d. Demonstrate recognition of the need for continuing education to enhance their professional and personal growth to keep up with technological advances in medicine.
e. Apply medical terminology to communicate clearly and effectively with patients, families, physicians and co-workers.

PSYCHOMOTOR SKILLS:
The goal of the program is to teach professional techniques which will promote the practice of clinical skills independently.

OBJECTIVES:

a. Demonstrate perioperative technical skills and knowledge in a safe and effective manner.
b. Exhibit safe practice methods involving preparation routines of the intraoperative environment, patient positioning and emergency procedures.
c. Display and incorporate aseptic principles in the intraoperative setting.
d. Actively participate in the scrub role in a variety of procedures in surgical specialty areas according to hospital policy.
e. Maintain a grade of 75% or better in all courses in the program.
AFFECTIVE DOMAIN:
The goal of this program is to develop surgical technologist who practice standards in a professional manner in order to provide patients with quality care.

OBJECTIVE:

a. Attain comprehensive ethical, legal, moral and cultural awareness as they relate to the surgical technologist’s ability to provide patient care and how this awareness fosters cooperation and success among member of the surgical team.

b. Shows the importance of and the ability to model the professional attributes of the Surgical Technologist including the maintenance of a strict ‘surgical conscience’.

c. Practices dependability, honesty and integrity in clinical practice.

d. Utilize critical thinking to perform the duties of the surgical technologist.

e. Demonstrate accountability in their practice based on current knowledge.

STUDENT LEARNING OUTCOMES
Successful graduates of the Program will be able to:

1. demonstrate accountability and ethical decision-making as a member of the surgical team (affective);

2. demonstrate the value of becoming a life-long learner in the profession (psychomotor);

3. Communicate effectively and advocate for patient safety as a member of a multi-disciplinary surgical team (cognitive);

4. Provide safe, effective care of the surgical patient based on the principles of asepsis (affective / cognitive / psychomotor).

SURGICAL TECHNOLOGY EDUCATION
Education for surgical technology takes place in institutions of higher learning. The community college environment provides the framework to prepare the surgical technology students for active participation in the role and the responsibilities of practice. This education facilitates one’s growth and participation in society.

TEACHING/LEARNING
Teaching is the process of facilitating learning by identifying learning objectives, providing the appropriate learning experiences from simple to complex and guiding the student through the course of study. Teaching requires a mastery of the teaching process and knowledge of the subject matter. The learner is actively engaged in a continuous process that involves cognitive, affective, and psychomotor activities. Successful learning is evidenced by the development of critical thinking skills and specific behavioral changes that can be evaluated. Learning occurs best in an environment of mutual acceptance and respect. The teaching of the theory component of surgical technology is presented in conjunction with clinical practice throughout the Surgical Technology Program curriculum.