

SURGICAL TECHNICIAN (SURG)

SURG 1000 - Fundamentals of Surgical Technology (4 Credits)

This course provides an in-depth exploration of the role of surgical technologist within the healthcare system. It encompasses the foundational principles and practice of surgical asepsis, including disinfection, sterilization, and the development of surgical conscience. Student will gain insight to surgical procedures, ethical consideration, cultural, ethnic, age-related, and legal framework pertinent to patient care in the surgical setting. A comprehensive review of equipment and supplies utilized through the pre-operative, intraoperative, and post-operative phases of surgical procedures will be discussed. The laboratory component allows the student to observe and demonstrate the principles and procedures taught in the classroom in a non-patient contact environment

Lecture: 3 hours, Lab: 3 hours, Other: 0 hours

Prerequisite(s): BIOL 2201

SURG 1001 - Surgical Procedures I (6 Credits)

This course provides the knowledge in areas of patient care directly associated with the surgical experience. Students will be introduced to the individual roles of the surgical team, principles of safety, identification, transportation, positioning, and surgical pharmacology. The laboratory component allows the student to observe and demonstrate the principles and procedures taught in the classroom in a non-patient contact environment. This course explores the diagnostic and surgical interventions of general surgery. Additionally, this course covers laparoscopic and robotic procedures for each specialty.

Lecture: 3 hours, Lab: 9 hours, Other: 0 hours

Prerequisite(s): SURG 1000

SURG 1010 - Foundations of Surgical Technology (6 Credits)

This course will introduce students to the practice of surgical technology and the skills necessary to function in the role of a surgical technologist. Students will learn about the operating room environment, as well as the different professional roles, communication techniques and ethical responsibilities of a surgical technologist. The class will introduce theory, a historical perspective of perioperative services, medical terminology and basic surgical instrumentation.

Lecture: 3 hours, Lab: 9 hours, Other: 0 hours

Prerequisite(s): BIOL 2201 (may be taken concurrently) or (BIOL 1010 and BIOL 1020)

SURG 1020 - Principles of Surgical Technology (6 Credits)

In this course, surgical pharmacology and anesthesia will be introduced including dosing and handling of local anesthetics at the sterile field. Students will be introduced to the handling, decontamination and sterilization processes of surgical instrumentation. Surgical wound exposure, wound healing and surgical wound closures will be discussed. Medical legal aspects of perioperative practice in relation to patients' rights including the health insurance portability and accountability act (HIPAA), informed consent and Universal Precautions will be included.

Lecture: 3 hours, Lab: 9 hours, Other: 0 hours

Prerequisite(s): SURG 1010

SURG 2002 - Surgical Procedures II (6 Credits)

This course provides the knowledge in areas of patient care directly associated with the surgical experience. The course explores the diagnostic and surgical interventions of obstetrics & gynecologic, ophthalmic, otorhinolaryngologic, oral & maxillofacial, and plastic & reconstructive surgeries. The lab portion continues demonstrating the principles and procedures taught in a non-patient contact environment.

Lecture: 3 hours, Lab: 9 hours, Other: 0 hours

Prerequisite(s): SURG 1001

SURG 2003 - Surgical Procedures III (4 Credits)

This course provides the knowledge in areas of patient care directly associated with the surgical experience. The course explores the diagnostic and surgical interventions of specialized surgeries, including orthopedics, cardiothoracic, vascular, and neurosurgery. The lab portion continues demonstrating the principles and procedures taught in a non-patient contact environment.

Lecture: 3 hours, Lab: 3 hours

Prerequisite(s): SURG 1001 and SURG 2002 (may be taken concurrently)

SURG 2010 - Surgical Instrumentation (6 Credits)

Students will implement appropriate surgical instruments related to the various types of surgical procedures. The student will be introduced to specific patient populations and the methods of caring for these patients. Included is discussion on the different methods of hemostasis. In addition, the student will learn post operative complications as they relate to the surgical patient. We will explore the different types of lasers, the proper use and handling to ensure safety when using lasers in the operating room. Surgical procedures will be introduced to prepare the student for the clinical rotation which will begin during this semester.

Lecture: 2 hours, Lab: 6 hours, Other: 16 hours

Prerequisite(s): SURG 1020

SURG 2020 - Surgical Procedures

(6 Credits)

There will be a focus on specialty surgical procedures and the necessary instrumentation associated with these specialties. This course will also introduce future surgical technologists to the organizations that promote the advancement of the profession and offer students the tools needed to be successful in the workforce. In addition, discussion will explore the different employment opportunities and how to prepare for a career as a surgical technologist.

Lecture: 2 hours, Lab: 3 hours, Other: 24 hours

Prerequisite(s): SURG 2010

SURG 2500 - Surgical Technology Clinical Internship^

(4 Credits)

This course provides clinical hands-on experience for students to perform surgical duties in the first-scrub, second-scrub, and observation role during any given surgical procedure with proficiency and increased complexity while progressing towards entry-level graduate achievement. Clinical experience will be documented by procedure, date and student role while verifying case counts throughout the surgical rotation as defined by accreditation standards through a total of 120 clinical cases

Lecture: 0 hours, Lab: 0 hours, Other: 32 hours