

SURGICAL TECHNOLOGY (SURG)

QUICK FACTS: SURG COURSES

- **Instructional School:** Health
- **Department:** Health Professions

SURG 100 Introduction and Basic Sciences

(3 Credits, Summer)

The study of the perioperative healthcare team and their language; the evolution and basic principles of asepsis; ethical, moral, and legal responsibilities; and the physical characteristics of the operating room suite. COREQ: SURG 103. (3 lecture hours, 0 lab hours, 3 credits)

SURG 101 Operating Room Techniques

(5 Credits, Fall)

The study and successful demonstration of the safety, economy, equipment and supplies in the operating room environment, and the basic fundamental duties of the surgical technologist in the pre-operative, intra-operative, and post-operative phases. PREREQ: SURG 100 and SURG 103 with a grade of C or higher. COREQ: SURG 102, SURG 110, SURG 111, and SURG 150. (0 lecture hours, 15 lab hours, 5 credits)

SURG 102 Sterilization and Disinfection

(1 Credit, Fall)

Introduction to microorganisms with emphasis on sterilization and disinfection methods. PREREQ: SURG 100 and SURG 103 with a grade of C or higher. COREQ: SURG 101, SURG 110, SURG 111, and SURG 150. (0 lecture hours, 2 lab hours, 1 credits)

SURG 103 Surgical Technological Sciences

(3 Credits, Summer)

Biomedical sciences as they relate to the operating room including physics, electricity, robotics, and computer skills. COREQ: SURG 100. (2 lecture hours, 2 lab hours, 3 credits)

SURG 107 Intro to Principles of Perioperative Practice

(5 Credits, Fall)

This course is designed for licensed healthcare practitioners with no previous surgical experience who wish to enter into the Surgical First Assistant program. The focus of this course will be on technologic sciences, patient care concepts, and the practice of asepsis as it relates to the operating room. Students wishing to register for this course must request permission from the instructor and confirm that they are currently licensed as a registered nurse, nurse practitioner, or physician assistant. (Cross-listed with: SFA 107) PREREQ: PERM/INST. (5 lecture hours, 0 lab hours, 5 credits)

SURG 110 Preparation of the Surgical Patient

(3 Credits, Fall)

The study and practice designed to enable the student to become skilled, and to demonstrate, the duties of assisting with the preparation, transportation, positioning, pharmacology, and anesthesia of the surgical patient. PREREQ: SURG 100 and SURG 103 with a grade of C or higher. COREQ: SURG 101, SURG 102, SURG 111, and SURG 150. (0 lecture hours, 9 lab hours, 3 credits)

SURG 111 Surgical Procedures I

(6 Credits, Fall)

Brief history, instrumentation, relevant anatomy, pathophysiology, and procedure-specific considerations for general surgery, orthopedic surgery, and minimally invasive and interventional radiology procedures. PREREQ: SURG 100 and SURG 103 with a grade of C or higher. COREQ: SURG 101, SURG 102, SURG 110, and SURG 150. (6 lecture hours, 0 lab hours, 6 credits)

SURG 116 Perioperative Care of Surgical Patients

(1 Credit, Spring)

The study of patient care in the operating room, recovery room, outpatient surgery, and emergency room procedures. PREREQ: SURG 100, SURG 101, SURG 102, SURG 103, SURG 110, SURG 111, and SURG 150 with a grade of C or higher. COREQ: SURG 132 and SURG 290. (1 lecture hours, 0 lab hours, 1 credits)

SURG 132 Surgery Clinical Practice

(8 Credits, Spring)

Clinical experience in surgery, scrubbing, and orientation to circulating. PREREQ: SURG 100, SURG 101, SURG 102, SURG 103, SURG 110, SURG 111, and SURG 150 with a grade of C or higher. COREQ: SURG 116 and SURG 290. (0 lecture hours, 24 lab hours, 8 credits)

SURG 150 Professionalism and Leadership for Surgical Technology

(1 Credit, Fall)

The study and application of principles for the workplace including customer relations, employee rights, interpersonal relations, collaboration, professionalism, and leadership. PREREQ: SURG 100 and SURG 103 with a grade of C or higher. COREQ: SURG 101, SURG 102, SURG 110, and SURG 111. (1 lecture hours, 0 lab hours, 1 credits)

SURG 290 Surgical Procedures II

(7 Credits, Spring)

This course serves as a continuation of Surgical Procedures I. It includes an exploration of the following surgical specialty areas: obstetric and gynecological surgery; genitourinary surgery; plastic surgery; ophthalmic surgery; ear, nose, throat, and oral maxillofacial surgery; neurosurgery; cardiothoracic surgery; and peripheral vascular surgery. Pathophysiology and advances in surgical procedures and techniques will be emphasized, as well as medical advances that challenge the student to employ moral and ethical reasoning to emerging issues in healthcare. PREREQ: SURG 100, SURG 101, SURG 102, SURG 103, SURG 110, SURG 111, and SURG 150 with a grade of C or higher. COREQ: SURG 116 and SURG 132. (7 lecture hours, 0 lab hours, 7 credits)

Refer to [How to Read Course Descriptions](#) for an explanation of elements found in the course descriptions above.