

SURGICAL TECHNOLOGY (SUR)

Courses

SUR 101 Sterile Processing I (2)

The first course in sterile processing prepares students to work in a variety of career fields that require training in sterile processing, including the healthcare field. Students will receive training and gain skills with decontamination, inspecting, assembling, disassembling, packaging and sterilizing reusable surgical instruments or other devices that are essential for patient or client and consumer safety.

SUR 102 Sterile Processing II (2)

The Second course in sterile processing continues to prepare students to work in a variety of career fields that require training in sterile processing, including the healthcare field. Students will continue developing skills with decontamination, inspecting, assembling, disassembling, packaging and sterilizing reusable surgical instruments or other devices that are essential for patient or client and consumer safety.

SUR 105 Introduction to Surgical Tech (4)

The course introduces the student to professional responsibilities, duties, and general functions of the operating room. It also introduces the student to the rest of the operating room team and their functions, responsibilities for safety of the patient and themselves, organization of the hospital and the operating room, legal and ethical issues, and the importance of communication in the operating room, credentialing, and professionalism. The use of electricity and lasers in the operating room are also covered as are the pre-op routines of the circulator prior to the patient entering the operating room.

SUR 111 Sterile Processing Clinical I (2)

The student will start to apply the basic skills they have learned for sterile processing in a clinical facility.

SUR 112 Sterile Processing Clinical II (2)

The student will continue to apply the basic skills they have learned for sterile processing in a clinical facility.

SUR 135 Principles & Practices of ST (5)

The course introduces the student to basic care practices of the operating room and will include aseptic technique and surgical case management. It covers a multitude of duties and concepts of both the scrub and circulating roles of the operating room. This also includes scrubbing, gowning, and gloving; preparing and maintaining the sterile field for surgery; methods of sterilization; all operating room (OR) equipment and its use, sponge, sharp, and instrument counts; specialty instruments and their care; surgical dressings; catheters, tubes and drains; pre-op, intra-op, and post-op duties of the surgical tech and circulating nurse like positioning prepping and draping and more.

SUR 145 Principles & Practices ST Lab (3)

The course allows the student to apply the knowledge that he/she learned in SUR140 (Principles and Practices). Repeated practice is designed to get the student ready for the clinical area to assure proper patient care. The student must pass the lab in order to continue in the program.

SUR 155 Surgical Procedures I (4)

The course instructs the student in the basic general, gynecological, and genitourinary surgical procedures. Besides the procedure itself the student will learn the instrumentation needed, pathology, sutures used, and special considerations.

SUR 180 ST Clinical I (4)

The student will start to apply the basic skills they have learned for the operating room in the actual operating room of a clinical facility. They will also pick up experience in the instrument room and pre-operative area of the hospital. Clinical proficiency at our facilities prepares the student with a minimum of 120 cases, 80 of which are in the first scrub role and comprise a variety of surgical scrub experiences.

SUR 208 CRCST Exam Review (1)

Comprehensive review of sterile processing technology concepts and practical preparation for the national certification examination including but not limited to: Cleaning, Decontamination, and disinfection, Preparation and packaging, Sterilization process, Patient care equipment, Sterile storage and inventory management, Documentation and record maintenance, and Customer relations.

SUR 245 Surgical Procedures II (5)

This course will expand ENT, maxillofacial, orthopedic, vascular, plastic surgery, and neuro surgical procedures. Besides the procedure itself, included in this course is pathology involved, surgical instruments needed, positioning of the patient, and special considerations for each surgical procedure.

SUR 250 Surgical Pharmacology (2)

This course begins with weights and measurements using the metric system and its application in the medical field. A review of basic math skills and figuring ratios is included. Medications used in the operating room during surgery both for the surgeon and the anesthesia provider will be discussed. Pre-operative and post-operative medications for anxiety, pain, emergencies, and other operating room (OR) related health issues will be discussed. Anesthetic agents used including IV, inhalation, regional, and local will be presented to the student.

SUR 266 Surgical Procedures III (4)

The course will introduce students to vascular, thoracic, plastic, ophthalmic, pediatric surgical procedures and trauma surgery. Included in this is pathology involved, surgical instruments needed, positioning the patient, and special considerations for each surgical procedure. Students will also learn basic physics and robotics as applied to the operating room.

SUR 274 Clinical II (8)

In the surgical suite students will apply knowledge and skills learned in Surgical Procedures II and Principles and Practices Lab to the operating room on all surgical procedures. This course is designed to increase the student's self-confidence as a surgical tech and allow them to become more aware of their sterile technique and preparedness for each surgical procedure. Anticipation of the surgeon is critical. Clinical proficiency at our facilities prepares the student with the required 120 surgical cases, 80 of those in the 'first scrub' role.

SUR 295 ST Certification Review (1)

Comprehensive review of surgical technology concepts and practical preparation for the national certification examination including but not limited to: a. Preoperative preparation of the surgical patient; b. Intra-operative procedures; c. Post-operative procedures; d. Administrative and personnel; e. Equipment sterilization and maintenance; f. Anatomy and physiology; g. Microbiology; and h. Surgical pharmacology.