

SURGICAL TECH STUDIES (STS)

STS 1307 Surgical Equipment and Instrumentation**Credit Hours:** 3

This course prepares students for the roles of the surgical technologist, the scrub role in surgical procedures, tissue handling techniques, passing of instruments, wound closure, identifying instruments, and utilizing equipment in the operating room environment.

STS 1308 Perioperative Patient Care Concepts**Credit Hours:** 3

This course introduces students to adult, pediatric, geriatric, bariatric, and special needs patient care concepts. Discussion on types of consents, transportation, and transfer of the surgical patient, preoperative patient routines, safety issues, and death will be included.

STS 1310 Surgical Techniques and Procedures**Credit Hours:** 2

This course focuses on the use of sterile technique, establishment of a surgical conscience, surgical microbiology, and methods of sterilization. In lab and hospital settings, the students will continue to learn and practice aseptic technique, disinfection, antisepsis, and sterilization processes.

STS 1323 Surgical Procedures 1**Credit Hours:** 3

This course prepares students to assist in surgical procedures. Topics include the review of anatomy, physiology, pathophysiology, relevant equipment, supplies, and techniques regarding general, otorhinolaryngological, gynecological and obstetrical, genitourinary, orthopedic, and diagnostic surgery.

STS 2179 Surgical Biomedical Fundamentals**Credit Hours:** 2

This course covers technology applications in healthcare including surgical terms, basic computer skills, and the relationship between technology and medicine. Interpretation of information from electronic medical documents will also be covered.

STS 2324 Surgical Procedures 2**Credit Hours:** 3

This course covers anatomy, physiology, patient care, special instruments, procedures, and equipment used within the specialty areas of neurosurgery, thoracic, cardiovascular, transplantation, and replantation surgery.

STS 2340 Surgical Pharmacology**Credit Hours:** 2

This course introduces students to most commonly used pharmacological agents for surgical patients in each phase of the perioperative experience and in the treatment of complications and emergencies.

STS 2944 Surgical Clinical 1**Credit Hours:** 2**Lab Fee:** Yes

This is the basic clinical course for students entering the surgical technology profession. Clinical experiences provide opportunities for hours, varied roles, skills, and surgical cases required for successful completion.

STS 2945 Surgical Clinical 2**Credit Hours:** 5

This second clinical course includes further surgical suite experiences for surgical procedures in general surgery, obstetrics and gynecological, genitourinary, orthopedic, otorhinolaryngologic, oral and maxillofacial, ophthalmic, and plastic and reconstructive surgery. New surgical procedures include cardiothoracic, peripheral vascular, neurosurgical, and additional plastic and reconstructive surgeries.

STS 2946 Surgical Clinical 3**Credit Hours:** 2

This is the third in a series of three clinical courses. This course is an introduction to the clinical environment of surgery, implementation of principles of aseptic technique, identification and use of instruments, suture, and needles, transportation and positioning of patients, and the development of skill in hand-scrubbing, gowning, and gloving procedures. Students concentrate on clinical experience by circulating and scrubbing in on all phases of surgery.

STS 2947 Surgical Internship**Credit Hours:** 3

The clinical internship course provides surgical experiences for meeting hours, specified cases, and roles required for successful program completion. Students function as surgical technologists in the surgical suites.