## Surgical Technology (SURG)

### Courses

**SURG 1000. Introduction to Surgical Technology. 2 Hours.**
First semester course. Students will be introduced to the profession of surgical technology. Students will acquire knowledge of professional requirements and expectations, scope of practice, the surgical team, hospital and health delivery systems, the physical environment of surgery, hazards and safety practices, ethical and legal aspects, risk management, credentialing, and professional organizations. Students will gain an understanding of various roles for surgical technologists, and specific tasks required to deliver surgical patient care before, during, and after a surgical procedure. Taught in cohort rotation. Prerequisite: Acceptance into the Surgical Technology program. FA.

**SURG 1021. Surgical Sciences. 3 Hours.**
First semester course. Foundational concepts of surgical microbiology and pathophysiology are introduced. Emphasis is placed on surgical applications of microbiology and pathophysiology including surgical infection control, diagnosis of diseases and disorders of human body systems, and identification of surgical interventions for specified pathophysiologic conditions. Students apply basic medical terminology to develop fluency in surgical terminology. Taught in cohort rotation. Prerequisite: Acceptance into the Surgical Technology program. FA.

**SURG 1050. Surgical Technology Theory. 3 Hours.**
First semester course. Introduction to fundamentals of the surgical environment, including principles and applications of sterile technique, sterilization principles and practices, safety practices in the OR, handling and safety of specialized equipment, and introduction to surgical case management. Taught in cohort rotation. Prerequisite: Acceptance into the Surgical Technology program. FA.

**SURG 1055. Surgical Technology Lab I. 2 Hours.**
First semester course. Students learn, practice, and demonstrate entry-level surgical technology skills such as scrubbing, gowning, and gloving, aseptic technique, instrument identification, preparation of the sterile field, safe sharps handling, procedure steps anticipation, and professional behaviors. Taught in cohort rotation. Lab fee required. Prerequisite: Acceptance into the Surgical Technology program. FA.

**SURG 1060. Surgical Technology Clinical I. 4 Hours.**
First semester course. Students correlate theory to practice in an actual surgical setting. Students apply previously learned foundational information and hands on skills as they perform in the first scrub role in assigned surgical procedures under the supervision of clinical site preceptors. An emphasis is placed on developing competence in basic surgical procedures in various surgical specialties. Taught in cohort rotation. Prerequisite: Acceptance into the Surgical Technology program. FA.

**SURG 2010. Surgical Pharmacology. 2 Hours.**
First semester course. Students gain information necessary for safe medication practice in surgery. Students attain competence in the metric system, medication calculations, fundamental concepts of pharmacology, medication identification and handling, medications used in surgery and at the surgical site, and aspects of anesthesia. Taught in cohort rotation. Prerequisite: Acceptance into the Surgical Technology program. FA.

**SURG 2050. Surgical Procedures. 7 Hours.**
Second semester course. Student identify anatomy, physiology, pathophysiology, diagnostic tests, medications, equipment, instruments, supplies, procedural steps, and postoperative patient care concepts for surgical procedures in all major surgical specialties. Course fee required. Taught in cohort rotation. Prerequisite: Acceptance into the Surgical Technology program. SP.

**SURG 2055. Surgical Technology Lab II. 1 Hour.**
Second semester course. Students learn, practice, and demonstrate intermediate level surgical technology skills with an emphasis on anticipation skills, surgical specialty instrumentation, and professional behaviors. Students also develop critical thinking competence in aseptic practice by identifying, analyzing, and correcting errors in sterile technique. Taught in cohort rotation. Lab fees required. Prerequisite: Acceptance into the Surgical Technology program. SP.

**SURG 2060. Surgical Technology Clinical II. 7 Hours.**
Second semester course. Students correlate theory to practice in an actual surgical setting. Students apply previously learned foundational information and skills as they perform in the first scrub role in assigned surgical procedures under the supervision of clinical preceptors. An emphasis is placed on developing competence in more complex surgical procedures in various surgical specialties. Taught in cohort rotation. Prerequisite: Acceptance into the Surgical Technology program. SP.

**SURG 2070. Surgical Synthesis. 1 Hour.**
Second semester course. Students analyze the clinical experience by maintaining accurate documentation of case experiences and presenting case studies. Students correlate clinical experiences to surgical technology theory to prepare for the National Board Certification Examination. Taught in cohort rotation. Prerequisite: Acceptance into the Surgical Technology program. SP.