

# SURGICAL TECHNOLOGY (SRGT)

## **SRGT 101, CAREER EXPLORATION IN SURGICAL TECHNOLOGY 1 (1)**

This course is for students considering Surgical Technology as a career. It is an orientation to the Surgical Technology Program and will cover the role of the surgical technologist as a provider of care, career options, student requirements, required educational preparation and national certification as a Certified Surgical Technologist (CST). Basic surgical technology skills and the concepts of sterile technique and surgical conscience will be presented. Ethical and legal responsibilities to the patient will be included. At the end of this course the student will be able to make an informed decision about his/her suitability for a career in surgical technology. A grade of "C" or better is required in order to apply to the Surgical Technology Program.

**General Education:** GE02, GE04, GE08

**Typically Offered:** Summer, Fall and Spring Semesters

## **SRGT 110, SURGICAL STERILIZATION METHODS 2 (2)**

This course introduces students to fundamental concepts of antisepsis, disinfection, and sterilization in the healthcare environment, with a focus on perioperative applications. Students will learn about microbiology basics, various physical and chemical methods of disinfection and sterilization, antiseptic techniques, and mechanisms of microbial resistance. The course includes a mandatory workshop day in the LCCC sterile processing lab to provide hands-on experience with sterilization methods. This course is a prerequisite for surgical technology clinical experience courses and is typically taken in the first semester of the surgical technology program.

**General Education:** GE02, GE06, GE07

**Course Entry Requirement(s):** Prerequisite: Acceptance into the surgical technology program; Concurrent: SRGT 125

**Typically Offered:** Fall and Spring Semesters

## **SRGT 114, SURGICAL TECHNOLOGY II - SURGICAL PROCEDURES 8 (20)**

This course provides lecture and clinical practice in the following surgical specialties: general, obstetrics and gynecology, ophthalmic, otorhinolaryngologic, and oral & maxillofacial. Students will learn about anatomy, pathology, diagnostic procedures, and surgical interventions for each specialty. Emphasis is placed on the surgical technologist's role during common surgical procedures, including instrument identification, equipment usage, and perioperative patient care. Students participate in surgical specialty workshops and engage with guest speakers throughout the course, while also being responsible for completing comprehensive surgical case reports to reinforce their learning and practical understanding. The course incorporates hands-on clinical practice to reinforce theoretical knowledge and develop essential skills. This course also covers modern surgical technologies, including robotics and minimally invasive techniques, while fostering professional behavior, teamwork, and ethical practice. Clinical is required.

**General Education:** GE01, GE02, GE03, GE04, GE05, GE06, GE07

**Course Entry Requirement(s):** Prerequisite: SRGT 110, SRGT 120, SRGT 125 and BIOG 222; Concurrent: BIOG 251

**Typically Offered:** Fall and Spring Semesters

## **SRGT 120, SURGICAL PHARMACOLOGY 2 (2)**

This course provides students with essential knowledge of pharmacology and anesthesia practices in surgical settings. Students will explore pharmacology concepts including drug types, dosages, routes of administration, actions, adverse reactions, and considerations for medications commonly used in the operating room. The course also covers anesthesia methods, types, agents, phases, and the associated responsibilities of surgical team members. A comprehensive drug card project enhances students' understanding of specific medications. Emphasis is placed on promoting patient safety and effective teamwork in the operating room through a thorough understanding of surgical pharmacology.

**General Education:** GE01, GE02, GE04, GE05, GE06, GE07

**Course Entry Requirement(s):** Prerequisite: Acceptance into the surgical technology program; Concurrent: SRGT 125

**Typically Offered:** Fall and Spring Semesters

## **SRGT 125, INTRODUCTION TO SURGICAL TECHNOLOGY 6 (10)**

This comprehensive introduction to surgical technology provides students with a strong foundation in the principles and practices essential for a career as a Certified Surgical Technologist (CST). The course covers the historical development of surgical technology, roles and responsibilities of surgical team members, effective communication skills, legal and ethical concepts, patient care considerations, and the physical environment of the operating room. Students will gain knowledge of basic principles of electricity, computer systems, advanced technologies, microbiology, and immunology as they relate to surgical practice. Hands-on practice in aseptic technique, sterile procedures, and emergency response will be emphasized. The course also covers surgical instruments, equipment, supplies, methods of hemostasis, wound healing, and perioperative routines. By developing a strong surgical conscience and proficiency in maintaining the sterile field, students will be prepared to uphold the ethical standards and professional requirements essential for a successful clinical rotation in the surgical technology program. College laboratory required. (A special fee will be assessed).

**General Education:** GE01, GE02, GE04, GE05, GE06

**Course Entry Requirement(s):** Prerequisite: Acceptance into the Surgical Technology Program; Concurrent: SRGT 110 and SRGT 120

**Typically Offered:** Summer and Spring Semesters

## **SRGT 215, SURGICAL TECHNOLOGY III SURGICAL PROCEDURES 8 (20)**

This course provides lecture and clinical practice in advanced surgical specialties, including plastic and reconstructive surgery, genitourinary procedures, orthopedics, cardiothoracic surgery, peripheral vascular surgery, and neurosurgery. Students will study relevant anatomy, pathology, surgical interventions, and perioperative care for each specialty. Emphasis is placed on the surgical technologist's role during complex procedures, including instrumentation, equipment usage, and patient safety. Students participate in surgical specialty workshops and engage with guest speakers throughout the course, while also being responsible for completing comprehensive surgical case reports to reinforce their learning and practical understanding. The course incorporates hands-on clinical practice to reinforce theoretical knowledge and develop advanced skills in these specialized areas. Clinical is required.

**General Education:** GE01, GE02, GE03, GE04, GE05, GE06

**Course Entry Requirement(s):** Prerequisite: SRGT 114 and BIOG 251; Concurrent: ALHN 121

**Typically Offered:** Summer and Fall Semesters

**SRGT 230, ADVANCED SURGICAL TECHNOLOGY CONCEPTS 8 (20)**

This advanced course focuses on integrating and expanding surgical technology concepts and skills. Students will engage in comprehensive review and preparation for the national Certified Surgical Technologist (CST) examination. The course emphasizes advanced practice roles, professional development, and career preparation. Students will participate in a service-learning project, complete a perioperative patient experience project, and work with career services on resume building, mock interviews, and portfolio development. Students participate in surgical specialty workshops and engage with guest speakers throughout the course, while also being responsible for completing comprehensive surgical case reports to reinforce their learning and practical understanding. Clinical rotations will provide opportunities to refine surgical skills and complete required case logs. Upon course completion, students will take the mandatory CST exam as a graduation requirement. Clinical is required.

**General Education:** GE01, GE02, GE03, GE04, GE05, GE06, GE07, GE08

**Course Entry Requirement(s):** Prerequisite: ALHN 121, and SRGT 215;  
Concurrent: CISS 121 and SOCY 151 or PSYH 151

**Typically Offered:** Fall and Spring Semesters

**SRGT 287, WORKED-BASED LEARNING I - SRGT 1-3 (1)**

This course provides supervised work experience building on experience in Work-Based Learning with approved employer(s) in an area related to the student's program. Emphasis is placed on integrating classroom learning with work experience. Students will be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Activities are coordinated and evaluated by college personnel.

**General Education:** GE01, GE02, GE06, GE08

**Course Entry Requirement(s):** Prerequisite: Minimum 2.0 GPA overall and division approval

**Typically Offered:** Offer as required