

# Surgical Technology

## **SURG 101**

### **Introduction to Surgical Technology [RE] • 4.0 Credits**

Formerly SRGT 101, SURG 101

This course explores fundamental concepts related to perioperative practice and provides a comprehensive introduction into the field of surgical technology. Areas of emphasis include: historical foundations of surgical sciences, role definition and scope of practice, teamwork, operating equipment and instrumentation, aseptic principles, and perioperative case management. **Prerequisite: Completion of major support courses for Surgical Technology and acceptance into the Surgical Technology program.**

## **SURG 102**

### **Perioperative Science [RE] • 5.0 Credits**

Formerly SRGT 110, SURG 102

This course surveys perioperative sciences specific to the practice of surgical technology. Topics include information technology, electricity, lasers, minimally invasive surgical applications, interventional radiology applications, physical and environmental hazards, sterile processing and infection control fundamentals, the disease process, and postoperative wound healing. **Prerequisite: Completion of major support courses for Surgical Technology and acceptance into the Surgical Technology program.**

## **SURG 103**

### **Perioperative Patient Care [RE] • 2.0 Credits**

Formerly SRGT 160, SURG 103

This course explores the duties and responsibilities of the surgical technologist in the assistant circulator role. Additionally, students are introduced to legal and ethical concepts governing perioperative practices related to surgical technology. Topics include: legal concepts and risk management, professional and medical ethics, communication, HIPAA, patient records, medication handling, open gloving, urinary catheterization, patient positioning, preoperative skin preparation, and emergency patient management. **Prerequisite: Completion of major support courses for Surgical Technology and acceptance into the Surgical Technology program.**

## **SURG 106**

### **Surgical Pharmacology and Anesthesia [RE] • 4.0 Credits**

Formerly SRGT 104, SURG 106

This class provides a basic knowledge of the language of pharmacology including: reading, interpreting, and documenting medication orders; systems of measurement and conversions; measuring medications for administration; calculating dosages and solutions; routes of administration for the surgical patient; anesthesia agents and principles of anesthesia administration; and medications used in emergency situations in the operating room. \$11.40 lab fee. **Prerequisite: Acceptance into the Surgical Technology program and completion of the following with a minimum grade of 2.0: SURG 101/111, 102/112, and 103/113.**

## **SURG 107**

### **Surgical Procedures I [RE] • 8.0 Credits**

Formerly SRGT 150, SURG 107

This course introduces students to surgery and primary surgical procedures within basic specialties including general surgery, obstetrics and gynecology, otorhinolaryngology, genitourinary surgery, and orthopedics. \$247 AST exam - Surgical Technology. **Prerequisite: Acceptance into the Surgical Technology program and completion of the following with a minimum grade of 2.0: SURG 101/111, 102/112, and 103/113.**

## **SURG 111**

### **Introduction to Surgical Technology Lab [RE] • 3.0 Credits**

Skills laboratory designed to accompany SURG 101. This course provides students with an opportunity to demonstrate practical skills designed to facilitate operative procedures in the scrub role and ensure high-quality patient care. Practical skills include: identifying surgical equipment and instrumentation, assembling and preparing surgical supplies, establishing and maintaining the sterile field, surgical hand hygiene, gowning and gloving, intraoperative case management, operative counts, and dressing application. \$11.40 lab fee. **Prerequisite: Completion of major support courses for Surgical Technology and acceptance into the Surgical Technology program.**

## **SURG 112**

### **Perioperative Science Lab [RE] • 2.0 Credits**

Skills laboratory designed to accompany SURG 102. This course provides students with an opportunity to demonstrate practical skills designed to facilitate operative procedures in the scrub role and ensure high-quality patient care. Practical skills include: donning operation room attire and PPE, patient transport, minimally invasive applications, electrosurgical unit safety, sterile processing, assisting with wound closure techniques, and surgical specimen handling. \$11.40 lab fee. **Prerequisite: Completion of major support courses for Surgical Technology and acceptance into the Surgical Technology program.**

## **SURG 113**

### **Perioperative Patient Care Lab [RE] • 1.0 Credit**

Skills laboratory designed to accompany SURG 103. This course provides students with an opportunity to demonstrate practical skills designed to facilitate operative procedures in the assistant circulator role and ensure high-quality patient care. Practical skills include: reviewing documentation, medication handling, open gloving, urinary catheterization, patient positioning, preoperative skin preparation, and emergency management. \$11.40 lab fee. **Prerequisite: Completion of major support courses for Surgical Technology and acceptance into the Surgical Technology program.**

## **SURG 117**

### **Surgical Procedures Lab [RE] • 3.0 Credits**

This course provides students with an opportunity to perform comprehensive practical skills designed to facilitate operative procedures and ensure high-quality patient care in the clinical setting. \$11.40 lab fee. **Prerequisite: Acceptance into the Surgical Technology program and completion of the following with a minimum grade of 2.0: SURG 101/111, 102/112, and 103/113.**

## **SURG 118**

### **Advanced Surgical Skills Lab [RE] • 2.0 Credits**

This lab course provides students an opportunity to learn and practice advanced techniques in perioperative case management, including complex draping skills, specialty surgical field setup, correcting breaks in sterility, use of minimally invasive surgical applications, and gowning and gloving for orthopedic procedures. **Prerequisite: Acceptance into the Surgical Technology program and completion of the following with a minimum grade of 2.0: SURG 101/111, 102/112, and 103/113.**

## **SURG 206**

### **Professional Development [RE] • 2.0 Credits**

This course reviews workplace issues, communication strategies, conflict management, leadership, and employability skills. In preparation for graduation and entrance into the workforce, students will develop a professional resume and practice job interview skills. **Prerequisite: Acceptance into the Surgical Technology program and completion**

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of the following with a minimum grade of 2.0: SURG 223 and SURG 207.

## **SURG 207**

### **Surgical Procedures II [RE] • 8.0 Credits**

Formerly SRGT 250, SURG 207

A progression from SURG 107. This course introduces students to surgery and primary surgical procedures within basic specialties including ophthalmology, oral and maxillofacial surgery, plastic and reconstructive surgery, cardiothoracic surgery, peripheral vascular surgery, and neurosurgery. \$105 NBSTSA board review fee. **Prerequisite: Acceptance into the Surgical Technology program and successful completion of SURG 106, 107, and 117 with a minimum grade of 2.0.**

## **SURG 208**

### **Certification Preparation [RE] • 4.0 Credits**

Formerly SRGT 240, SURG 208

Certification Preparation provides an in-depth review of the Core Curriculum for Surgical Technology. Students will also engage in discussions based on their experiential learning opportunities within the clinical practicum to assist in preparation for the Certified Surgical Technologist (CST) national certifying examination. **Prerequisite: Acceptance into the Surgical Technology program and successful completion of SURG 223 and SURG 207 with a minimum grade of 2.0.**

## **SURG 223**

### **Operating Room Practicum I [RE] • 8.0 Credits**

This course provides progressive exposure to and experience with diverse surgical procedures performed in multiple specialties within the clinical setting. Students prepare for and perform assigned surgical procedures under the supervision of facility personnel, clinical preceptors, and clinical college faculty in accordance with patient safety standards and industry best practices. **Prerequisite: Acceptance into the Surgical Technology program and successful completion of SURG 106, 107, and 117 with a minimum grade of 2.0.**

## **SURG 224**

### **Operating Room Practicum II [RE] • 8.0 Credits**

A progression from SURG 223. This course provides progressive exposure to and experience with diverse surgical procedures performed in multiple specialties within the clinical setting. Students prepare for and perform assigned surgical procedures under the supervision of facility personnel, clinical preceptors, and clinical college faculty in accordance with patient safety standards and industry best practices. Clinical experience focuses on advanced skills intended to assist in the transition from classroom to employment. \$11.40 lab fee. **Prerequisite: Acceptance into the Surgical Technology program and successful completion of SURG 223 and SURG 207 with a minimum grade of 2.0.**

## **SURG 293**

### **Independent Study [RE] • 1.0–5.0 Credits**

Formerly SRGT 293, SURG 293

A class used to explore new coursework or for a specific topic of special interest. \$10.72 per quarter malpractice insurance fee. \$11.40 lab fee.

**Prerequisite: Completion of major support courses for Surgical Technology and acceptance into the Surgical Technology program.**