

# SURGICAL TECHNOLOGY

## SRG 1000 – Theory and Fundamentals

**7 Credit hours 10 Contact hours**

Introduces the framework and environment for the practice of Surgical Technology. Focuses on safety through the impact of sterile technique and sterilization practices, patient care, anesthesia, 'all hazards', and introduces the use of therapeutic communication, professionalism, group process, and critical thinking. Students will be introduced to basic instrumentation, surgical equipment, supplies, sutures, stapling devices, as well as the care, handling, use and assembly of instruments and equipment. During laboratory exercise, students will be introduced to the layout of the operating room suite, sterile and sub-sterile areas. Lab competencies will be assessed in aseptic technique, surgical hand preparation, gowning and gloving techniques, patient positioning, patient skin preparation, patient draping, preoperative patient care techniques to include chart review, vital signs, and intraoperative surgical case management. 'C' grade policy applies.

**Corequisites:** BIO 1110.

## SRG 1100 – Pharmacology for Surgical Technology

**1 Credit hour 1 Contact hour**

Emphasizes the role of the surgical technologist in safe handling of drugs according to operating room policies and procedures. The student will also learn the classification of drugs, and federal and state pharmacy regulations applying to the surgical patient. Further, the student will study the complications and safety of the patient during local, regional and general anesthesia administration. Dosage calculation, life-saving drugs, and other drugs commonly used in the Operating Room (OR) will be discussed. 'C' grade policy applies.

**Prerequisites:** BIO 1110, SRG 1000

**Corequisites:** SRG 1500, SRG 1510.

## SRG 1500 – Surgical Procedures I

**4 Credit hours 4 Contact hours**

Presents the role of the surgical technologist in the intraoperative setting. This course emphasizes specimen care, abdominal incisions, hemostasis, exposure, catheters and drains, wound closure, surgical dressings, wound healing, tissue replacement materials, and emergency patient situations. 'C' grade policy applies.

**Prerequisites:** SRG 1000

**Corequisites:** SRG 1100, SRG 1510.

## SRG 1510 – Directed Practice for Surgical Procedures I

**3 Credit hours 15 Contact hours**

Applies the knowledge and skills learned in SRG 1000 and SRG 1500 in the operating room for general surgical procedures. Underscores the principles of asepsis and patient care concepts of positioning, prepping, draping, and procedural techniques to the investigation of general surgical procedures. Maintaining the integrity, safety, and efficiency of the sterile and non-sterile areas throughout surgical procedures will be emphasized. This course is graded S/U.

**Prerequisites:** SRG 1000

**Corequisites:** SRG 1100, SRG 1500.

## SRG 2100 – Surgical Procedures II

**4 Credit hours 4 Contact hours**

Covers selected operating room procedures and techniques. Discussed will be the relevant anatomy, indications for surgery, special equipment, supplies, purpose and expected outcome and possible complications for procedures in the following surgical specialties: General, Gastrointestinal, Obstetric and Gynecologic, Orthopedic, Ophthalmic, Ear/Nose/Throat, Dental/Oral/Maxillofacial, Plastic and Reconstructive and Neurological surgery. 'C' grade policy applies.

**Prerequisites:** SRG 1100, SRG 1500, SRG 1510

**Corequisites:** BIO 1400, SRG 2110.

## SRG 2110 – Directed Practice for Surgical Procedures II

**3 Credit hours 15 Contact hours**

Presents a continuation of patient care in the intraoperative setting as performed by the intermediate to advanced level surgical technologist. The student will scrub independently with minimal assistance from a preceptor for surgical procedures of the following body systems: Gastrointestinal, Obstetrics, Gynecological, Orthopedic, Ophthalmic, Ear/Nose/Throat, Dental/Oral/Maxillofacial, Plastic and Reconstructive and Neurological. This course is graded S/U.

**Prerequisites:** SRG 1100, SRG 1500, SRG 1510

**Corequisites:** SRG 2100.

## SRG 2200 – Surgical Technology Professional Trends

**3 Credit hours 3 Contact hours**

Provides a correlation between previously learned concepts and clinical application. It is designed to aid in transition from surgical technology student to entry level Surgical Technologist. Requirements for ethical and legal practice as defined by the National Association of Surgical Technologists will be reviewed and discussed. Topics discussed will be: factors that affect the student's personal life, professional relations and organizations, preparation for the national certification examination, type of health care delivery agencies, accrediting agencies and job seeking skills. 'C' grade policy applies.

**Prerequisites:** SRG 2100, SRG 2110

**Corequisites:** SRG 2500, SRG 2510, SRG 2600.

## SRG 2500 – Surgical Procedures III

**4 Credit hours 4 Contact hours**

Presents a continuation of patient care in the intraoperative setting as performed by the intermediate- to advanced-level surgical technologist. Discussed during this course will be the relevant anatomy, indications of surgery, special equipment and supplies, purpose and expected outcome and possible complications for procedures in thoracic, cardiovascular, peripheral vascular, and procurement/transplants. The student will also be acquainted with pediatric patients and a variety of surgical procedures unique to this special group. 'C' grade policy applies.

**Prerequisites:** SRG 2100, SRG 2110

**Corequisites:** SRG 2200, SRG 2510, SRG 2600.

## SRG 2510 – Directed Practice for Surgical Procedures III

**3 Credit hours 15 Contact hours**

Presents a continuation of patient care in the intraoperative setting as performed by the advanced level student surgical technologist. The student will perform in the position of first scrub surgical technologist in cardiothoracic, peripheral vascular, procurement/transplants, and pediatric surgical procedures. This course is graded S/U.

**Prerequisites:** SRG 2100, SRG 2110

**Corequisites:** SRG 2200, SRG 2500, SRG 2600.

**SRG 2600 – Surgical Technology Capstone**  

**1 Credit hour 1 Contact hour**

Provides an opportunity for the prospective graduate to demonstrate achievement of the program's learning outcomes and competencies as well as the college's general education core skills and abilities. A major component of this course will facilitate a team approach to patient care and cultural diversity through an interdisciplinary team case study project. A final electronic portfolio writing assignment will also be completed. 'C' grade policy applies.

**Prerequisites:** SRG 2100, SRG 2110

**Corequisites:** SRG 2200, SRG 2500, SRG 2510.