

SURGICAL TECHNOLOGY (SRG)

SRG 1000 – Theory and Fundamentals

Credit Hours: 7.00 Total Contact Hours: 10.00 Lecture Hours: 4.00 Lab Hours: 6.00

Introduces the framework and environment for the practice of Surgical Technology (ST). 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 continuing on with specialty 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. Demonstrate role of the ST in the preoperative, intra-operative and postoperative environment. Lab competencies will be assessed in aseptic technique, surgical hand preparation, gowning and gloving techniques, opening of room for surgery, set ups, counting and passing.

Offered: Fall

Prerequisites: BHS 1390, SRG 1050

Corequisites: BIO 1110.

SRG 1050 – Introduction to Sterile Processing for the Surgical Technologist

Credit Hours: 3.00 Total Contact Hours: 4.00 Lecture Hours: 2.00 Lab Hours: 2.00

Introduces the functions of the sterile processing technician along with their role in the surgical environment. Students will be introduced to principals, techniques and infection control in the surgical and sterile processing environments. Topics include sterile technique, packaging and wrapping techniques, sterilization methods, basic and specialty instrumentation along with their use, inspection and decontamination parameters. Chemical, mechanical and biological indicators, hazards handling chemical agents, body mechanics, case cart preparation and their delivery methods. Students will demonstrate roles in all areas of sterile processing such as decontamination, instrument set packaging/preparation, sterilization, pulling cases, storing and distributing items, and quality and monitoring processes.

Offered: Summer

Prerequisites: Admission into the Surgical Technology Program

Corequisites: BHS 1390.

SRG 1200 – Pharmacology for Surgical Technology

Credit Hours: 2.00 Total Contact Hours: 2.00 Lecture Hours: 2.00

Emphasizes the role of the surgical technologist in safe handling of drugs according to operating room policies and procedures. The student will learn the preoperative, intra-operative, and postoperative role of the anesthesia provider as well as the ST's role in handling those medications, 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.

Offered: Spring

Prerequisites: SRG 1000

Corequisites: SRG 1700.

SRG 1510 – Directed Practice for Surgical Procedures I

Credit Hours: 3.00 Total Contact Hours: 15.00 Clinical/Other Hours: 15.00

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.

Offered: Fall

Prerequisites: SRG 1200, SRG 1700

Corequisites: SRG 2100.

SRG 1700 – Surgical Procedures I

Credit Hours: 6.00 Total Contact Hours: 8.00 Lecture Hours: 4.00 Lab Hours: 4.00

Presents the role of the surgical technologist in the intra-operative setting, patient positioning, patient skin preparation, patient draping, preoperative patient care techniques to include chart review, vital signs, and intra-operative surgical case management. 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. During laboratory exercise, students will be continuing their role of ST in the operating room. Lab competencies will be assessed in urinary catheterization, vital signs, patient positioning, patient skin preparation, patient draping, surgical case set up for General Ortho, OB/Gyn, ENT, Neuro, GU, open, laparoscopic, robotic, and MIS procedures.

Offered: Spring

Prerequisites: SRG 1000

Corequisites: SRG 1200.

SRG 2100 – Surgical Procedures II

Credit Hours: 4.00 Total Contact Hours: 4.00 Lecture Hours: 4.00

Designed to progress the student in 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, Endo, Obstetric and Gynecologic, Ophthalmic, Ear/Nose/Throat, Dental/Oral/Maxillofacial, and Plastic and Reconstructive surgery.

Offered: Fall

Prerequisites: SRG 1200, SRG 1700

Corequisites: SRG 1510.

SRG 2110 – Directed Practice for Surgical Procedures II

Credit Hours: 3.00 Total Contact Hours: 15.00 Clinical/Other Hours: 15.00

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.

Offered: Spring

Prerequisites: SRG 1510, SRG 2100

Corequisites: SRG 2500.

SRG 2500 – Surgical Procedures III

Credit Hours: 4.00 Total Contact Hours: 4.00 Lecture Hours: 4.00

Designed to continue to progress the student in 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: GU, Thoracic, Cardio, Ortho, Peripheral Vascular, and Neuro-surgery. The student will also be acquainted with pediatric patients and a variety of surgical procedures unique to this special group.

Offered: Spring

Prerequisites: SRG 1510, SRG 2100

Corequisites: SRG 2110, SRG 2610.

SRG 2610 – Surgical Technology Capstone

Credit Hours: 4.00 Total Contact Hours: 4.00 Lecture Hours: 4.00

Reinforces previously learned concepts, clinical applications, and legal and ethical practices as defined by the National Board of Surgical Technology and Surgical Assisting (NBSTSA). Topics include job search strategies, resume building, interview skills, professionalism, communication and continuing education requirements. Students will utilize their AST membership as well as define the types of healthcare delivery agencies and accrediting agencies. Provides an opportunity for the prospective graduate to demonstrate achievement of the program's and general education's learning outcomes and competencies. Students will prepare for the certification exam given by the National Board of Surgical Technology and Surgical Assisting (NBSTSA).

Offered: Spring

Prerequisites: SRG 1510, SRG 2100

Corequisites: SRG 2110, SRG 2500.