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Surgical Technology

SUR100 Fundamentals of Surgical Technology

3 Credit Hours

Students are introduced to the role and responsibilities of the surgical technologist, the healthcare team, and the clinical environment. Topics include environment and workplace safety, patient care and safety, age-extreme patients, and patients with special needs. Students learn the basic techniques for scrubbing, gowning, and gloving. An on-campus operating room laboratory provides students with such hands-on experience as vital signs, patient transporting, and positioning.

SUR110 Surgical Instrumentation

2 Credit Hours

Focuses on the identification, classification, care, and handling of surgical instrumentation. Various methods of sterilization are included.

Prerequisite: SUR100

SUR112 Surgical Techniques

3 Credit Hours

Provides an in-depth study of the principles of aseptic techniques. Topics include wound healing, specimen care, safe use of surgical equipment, surgical counts, and prepping and draping the patient. Various types of sutures, needles, stapling devices, sponges, dressings, packings, drains, and catheters are presented. Students are introduced to robotics, physics, and electricity.

Prerequisite: SUR100

SUR115 Surgical Techniques Laboratory

3 Credit Hours

Students practice the principles of aseptic techniques. Emphasis is placed on setting up the instrument table, Mayo stand, and prepping and draping the patient.

Prerequisite: SUR100

Prerequisites or Corequisites: SUR110, SUR112

SUR120 Surgical Procedures I

3 Credit Hours

Focuses on diagnostic procedures: general obstetrics and gynecology; ophthalmology; ear, nose, and throat; and oral and maxillofacial.

Prerequisites: SUR110, SUR112, SUR115

SUR125 Surgical Procedures Laboratory I

3 Credit Hours

Students develop an operative routine as they set up for mock surgical procedures and role play the members of the perioperative team.

Prerequisite or Corequisite: SUR120

SUR220 Surgical Procedures II

3 Credit Hours

Focuses on organ and tissue recovery and the following surgical specialties: ophthalmology, plastic, neurology, thoracic, cardiothoracic, peripheral vascular, cardiovascular, genitourinary, orthopedic, and pediatric.

Prerequisites: SUR120, SUR125

SUR251 Pharmacology and Anesthesiology

2 Credit Hours

The rationale for use of specific drugs, their therapeutic effects, major side effects on the surgical patient, and how these drugs may alter or influence surgical intervention are defined. Emphasis is on the role and responsibilities of the surgical technologist regarding pharmaceuticals in the operating room.

SUR280 Clinical Practicum I**5 Credit Hours**

Students apply the didactic and laboratory skills learned throughout the program to the clinical setting, gain clinical work experience in surgical procedures and operating room practices, and also have the opportunity to scrub on surgical cases in various surgical specialties.

Prerequisites: Completion of first four quarters and departmental approval
Prerequisite or Corequisite: SUR220

SUR281 Clinical Seminar I**1 Credit Hour**

Students focus on integrating the skills learned throughout the program with the work experience. Research assignments required.

Prerequisite: Basic Cardiac Life Support/Automated External Defibrillation Certification
Corequisite: SUR280

SUR290 Clinical Practicum II**5 Credit Hours**

Continuation of clinical work experience in surgical procedures and operating room practices.

Prerequisites: SUR280 and departmental approval

SUR291 Clinical Seminar II**1 Credit Hour**

Students continue to focus on integrating the skills learned throughout the program with the work experience. Oral presentations required.

Corequisite: SUR290

SUR292 Surgical Technologist Capstone**4 Credit Hours**

Designed to elicit reflection and application to the whole of the Surgical Technology program. The course requires the student to apply the knowledge, skills, and techniques attained throughout the Surgical Technology program. The capstone course provides an opportunity for the assessment of surgical technologist critical thinking skills and teamwork skills through case studies reflecting experiences often encountered in the Surgical Technologist's workplace. Finally, the capstone course is developed to reinforce the knowledge and skills needed to sit for the national credentialing exam.

Corequisites: BUS226 and departmental approval