

SURGICAL TECHNOLOGY (SUR)

SUR 1090 Operating Room Skills Seminar (4 Credits)

The seminar provides the students with the opportunity to practice with supervision, the skills, techniques, standards, and principles that are taught in SUR 1110. This course prepares students for the clinical experience by teaching them the care and handling of surgical supplies, instruments, suture materials, and surgical drapes using hands on skills, simulation, and mock surgery for laparotomy and laparoscopic procedures. This seminar is not only an introduction to the operating room environment but includes a 5- week clinical rotation. After passing the seminar skills competencies, students will have a clinical rotation as a member of the surgical team under direct supervision. The rotation gives the student the opportunity to build on didactic and clinical skills learned in the seminar. It focuses on minimally complex and specialty surgical procedures that take place in a clinical facility. This rotation is 24 hours per week over the last 5 weeks of the course

Prerequisites: CSA 1110, ENG 1010, (HIMT 1000, MDAS 1025 or BOT 1800), MATH 1001 or higher all with a grade of C or higher; BIO 1100 with a grade of C+ or higher.

Corequisite: SUR 1110 and ENG 1080

Previous: Legacy Equivalent(s): SUR* 111

SUR 1109 Microbiology for Surgical Technologists (2 Credits)

Gives a broad overview of general microbiology and clinical microbiology most necessary for the surgical technologist to understand. Emphasizes the importance of sterile technique and infection control in the operating room. While covering basic information such as bacterial staining, microscopy, how bacteria can be cultured and identified in the laboratory, the most significant human pathogens and how the immune system responds to them.

Prerequisites: CSA 1110, ENG 1010, (HIMT 1000, BOT 1800 or MDAS 1025), MATH 1001 or higher all with a grade of C or higher; BIO 1111 with a grade of C+ or higher

Corequisite: SUR 1090 and ENG 1080

Previous: Legacy Equivalent(s): SUR* 109

SUR 1110 Operating Room Techniques (4 Credits)

A theoretical introduction to the roles and responsibilities of the surgical technologist, the health care team, and the surgical environment.

Teaches the basic principles of aseptic technique, fundamentals of surgical technology, and patient care concepts. Incorporates surgical scrub, gowning, gloving, case preparation, patient care and safety.

Prepares students for entry level into the surgical environment and basic surgical procedures.

Prerequisites: CSA 1110, ENG 1010, (HIMT 1000, MDAS 1025, or BOT 1800), MATH 1001 or higher all with a grade of C or higher; BIO 1100 with a grade of C+ or higher

Corequisite: SUR 1090 and ENG 1080

Previous: Legacy Equivalent(s): SUR* 110

SUR 2094 Clinical Surgical Experience I (6 Credits)

Provides students the opportunity to build on didactic and clinical skills learned in the classroom as a member of the surgical team under direct supervision. Focuses on moderately complex specialty surgical procedures and takes place in a clinical facility. This course is 24 hours per week over 15 weeks.

Prerequisites: CSA 1110, ENG 1080

Corequisite: SUR 2215, PSY 1011

Previous: Legacy Equivalent(s): SUR* 211

SUR 2194 Clinical Surgical Experience II (6 Credits)

Provides students the opportunity to build on didactic and clinical skills learned in the classroom as a member of the surgical team under direct supervision. Focuses on moderately complex to complex specialty surgical procedures and takes place in a clinical facility. This course is 24 hours per week over 10 weeks. The last five weeks of the course prepares the students for the certification exam. Students sit for the certification exam at the end of the course.

Prerequisites: CSA 1110, ENG 1080, PSY 1011

Corequisite: SUR 2290

Previous: Legacy Equivalent(s): SUR* 212

SUR 2213 Surgical Procedures I (3 Credits)

Includes a review of relevant anatomy and pathophysiology, diagnostic procedures, and surgical interventions for surgical procedures in the following areas: obstetrical/gynecological surgery, urological surgery, minor/major orthopedic surgery, ear, nose, and throat surgery, oral, maxillary, facial surgeries, reconstructive plastic surgery, and burn surgery. Laparoscopic, robotic, pediatric, simulation, and endoscopic procedures are integrated into this course.

Prerequisites: ENG 1080

Corequisite: SUR 2215, PSY 1011

Previous: Legacy Equivalent(s): SUR* 213

SUR 2214 Surgical Procedures II (3 Credits)

This course includes a review of relevant anatomy and pathophysiology, diagnostic procedures, and surgical interventions for surgical procedures in the following areas: major orthopedic surgery, neurological surgery, ophthalmology surgery, peripheral vascular surgery, thoracic surgery, cardiac surgery, emergency trauma surgery, all hazard preparation, and donor/procurement surgery. Laparoscopic, navigation, robotic, pediatric, simulation, and endoscopic procedures are integrated into this course.

Prerequisites: CSA 1110, ENG 1080, PSY 1011

Corequisite: SUR 2290

Previous: Legacy Equivalent(s): SUR* 214

SUR 2215 Surgical Technology Pharmacology (3 Credits)

Prepares the students for the safe care and handling of medications and solutions used during surgery. Students are provided with an introduction to pharmacology, principles of anesthesia administration and medications that are commonly used in the surgical environment.

Prerequisites: ENG 1080

Corequisite: SUR 2213, PSY 1011

Previous: Legacy Equivalent(s): SUR* 215

SUR 2290 Advanced Seminar for Surgical Technologist (3 Credits)

This course includes effective career seeking skills, interviewing techniques, resume preparation, role of the circulating surgical technologist, professional membership, and certification. Advanced skills such as vital sign monitoring, urinary catheterization, and surgical skin preparation are also introduced. This course reviews the objectives of the National Certification Examination for Surgical Technologist. The purpose is to prepare students to pass the Certification of Surgical Technologists that is often required for employment as a surgical technologist.

Prerequisites: CSA 1110, ENG 1080, PSY 1011

Corequisite: SUR 2214

Previous: Legacy Equivalent(s): SUR* 250