

# Surgical Technology

## Degree

- Surgical Technology (SUR.APP) (<http://catalog.oaklandcc.edu/programs/surgical-technology/surgical-technology-aas/>)

## Surgical Technology Courses

**SUR 1500 Pharmacology for the Surgical Technologist .....2 Credit Hours**

**English/ESL Placement:** Placement into ENG 1510 or ESL 2520.

**Prerequisite:** Acceptance into the Surgical Technology Program or consent of instructor.

**Pre- or Corequisite:** SUR 2410 or consent of instructor.

**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

This course introduces students to the medications used in the operating room. It emphasizes classification, administration, forms, methods, interactions, and desired effects of perioperative medications. Also covered is the role of the surgical technologist and their legal responsibility to deliver safe patient care when assisting the physician during procedures when pharmaceutical agents are administered. BILLABLE CONTACT HOURS: 2

**SUR 2150 Clinical Practicum I .....4 Credit Hours**

**English/ESL Placement:** Placement into ENG 1510 or ESL 2520.

**Prerequisite:** Acceptance to the Surgical Technology Program and completion of SUR 2420 SUR 2430 and SUR 2450; or consent of instructor.

This course is designed to provide the surgical technology student with the opportunity to utilize knowledge and skills in the operating room setting. The course will allow the surgical technology student to function in the role of first scrub with assistance or first scrub solo under the direct supervision of a clinical preceptor in general, gynecological, urological, plastic reconstruction and ear, nose and throat surgical procedures. BILLABLE CONTACT HOURS: 7

**SUR 2350 Clinical Practicum II .....4 Credit Hours**

**English/ESL Placement:** Placement into ENG 1510 or ESL 2520.

**Prerequisite:** Acceptance to the Surgical Technology Program and completion of SUR 2150; or consent of instructor.

**Pre- or Corequisite:** SUR 2440

**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

This course is designed to allow the surgical technology student continued implementation of skills in the operating room. Under the direct supervision of a clinical preceptor, the surgical technology student will function in the role of first scrub with assist or first scrub solo in general, gynecological, urological, plastic reconstruction and ear, nose and throat surgical procedures. During this course, the students will transition into the specialties of orthopedic, neurological, peripheral vascular and thoracic surgical procedures. BILLABLE CONTACT HOURS: 7

**SUR 2370 Clinical Practicum III .....6 Credit Hours**

**English/ESL Placement:** Placement into ENG 1510 or ESL 2520.

**Prerequisite:** Acceptance to the Surgical Technology Program and completion of SUR 2150 and SUR 2350; or consent of instructor.

**Pre- or Corequisite:** SUR 2460

**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

This course is designed to allow the surgical technology student continued implementation of skills in the operating room. Under the direct supervision of a clinical preceptor, the surgical technology student will function in the role of first scrub with assist or first scrub solo in general, gynecological, urological, plastic reconstruction and ear, nose and throat surgical procedures. During this course, the students will transition into the specialties of orthopedic, neurological, peripheral vascular and thoracic surgical procedures and complete all case requirements as dictated by the Core curriculum of Surgical Technology. BILLABLE CONTACT HOURS: 9

**SUR 2410 Foundations of Surgical Technology I .....4 Credit Hours**

**English/ESL Placement:** Placement into ENG 1510 or ESL 2520.

**Prerequisite:** Acceptance to the Surgical Technology program or consent of instructor.

**Pre- or Corequisite:** SUR 1500 or consent of instructor.

**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

This course is the first of two sequential courses designed specifically for entry-level job training. It is a combination of classroom studies and lab practice. The course is designed to offer experiences in the perioperative arena in order to prepare for competent and safe patient care. The essential components of the career of Surgical Technology will be introduced in course material and practiced in the lab setting. These elements include appropriate aseptic and sterile technique, the surgical scrub, gowning and gloving of self and others, identification of furniture, instrumentation and equipment, safe handling of sharps, set up of the sterile field, draping of the patient and surgical equipment, accurate surgical counts and proper passing of instruments. BILLABLE CONTACT HOURS: 4

**SUR 2420 Foundations of Surgical Technology II .....6 Credit Hours**

**English/ESL Placement:** Placement into ENG 1510 or ESL 2520.

**Prerequisite:** Acceptance to the Surgical Technology Program and completion of SUR 2410 or consent of instructor.

**Pre- or Corequisite:** SUR 2430 SUR 2450 or consent of instructor.

**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

This course is a continuation of the fundamentals taught in previous SUR 2410 Foundations I. During this course the emphasis is placed on patient safety and on the standards of care required for the surgical patient. The course instruction is a combination of classroom studies and lab practice. The course provides knowledge that includes preparation and maintenance of sterile and unsterile supplies, introduction to doctor's preference cards, positioning of the surgical patient, routine skin preparation, types of surgical incisions that provide optimum exposure for surgical procedures, types of wound closure techniques, dressings, drains, types of sutures, needles, and stapling devices, proper handling of medications on the surgical field, and factors influencing wound healing. BILLABLE CONTACT HOURS: 8

**SUR 2430 Surgical Procedures I ..... 6 Credit Hours****English/ESL Placement:** Placement into ENG 1510 or ESL 2520.**Prerequisite:** Acceptance to the Surgical Technology Program and completion of SUR 1500 and SUR 2410; or consent of instructor.**Pre- or Corequisite:** SUR 2420 SUR 2450 or consent of instructor.**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

This course is designed to provide the surgical technology student with a basic understanding of diagnoses, regional anatomy and physiology, and the surgical instruments and equipment needed to provide optimum care in the most common and basic surgical procedures experienced in a the surgical setting. This lecture and lab course develops concepts learned in the classroom and in the previous Foundations I course. The coursework will introduce students to the theory and the lab will initiate the practice of surgical interventions in multiple surgical services. The course also emphasizes the anatomy of the surgical patient and the steps required during a surgical procedure as well as the instrumentation of these surgical interventions. The fundamentals of numerous procedures are covered including the assessment of need for surgical intervention. The lab practice integrates mock surgery, simulation and basic and advanced clinical skills. BILLABLE CONTACT HOURS: 6

**SUR 2440 Surgical Procedures II ..... 6 Credit Hours****English/ESL Placement:** Placement into ENG 1510 or ESL 2520.**Prerequisite:** Acceptance to the Surgical Technology Program and completion of SUR 2420 SUR 2430 and SUR 2450; or consent of instructor.**Pre- or Corequisite:** SUR 2150 SUR 2350 or consent of instructor.**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

This course is designed to provide the surgical technology student with an advanced understanding of diagnoses, regional anatomy and physiology, and the surgical instruments and equipment needed to provide optimum care in the most common surgical procedures as outlined in the core curriculum and mandated by the accrediting body (ARC) in the following surgical areas: general, gynecological, urological, plastic, ear, nose and throat, neurological, peripheral vascular, orthopedics, cardiothoracic, oral and ophthalmic. This lecture and lab course develops concepts learned in the classroom and in the previous Procedures I and Foundations I courses. The coursework will further develop the knowledge of theory and lab components and strengthen the knowledge of surgical interventions. The course also emphasizes the anatomy of the surgical patient and the steps required during a surgical procedure as well as the instrumentation for these surgical interventions. The fundamentals of multiple procedures are covered including the assessment of need for surgical intervention. The lab practice integrates mock surgery, simulation and basic and advanced clinical skills. BILLABLE CONTACT HOURS: 7

**SUR 2450 Surgical Instrumentation & Equipment ..... 4 Credit Hours****English/ESL Placement:** Placement into ENG 1510 or ESL 2520.**Prerequisite:** Acceptance to the Surgical Technology Program and completion of SUR 1500 SUR 2410 or consent of instructor.**Pre- or Corequisite:** SUR 2420 SUR 2430 or consent of instructor.**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

This course is designed to prepare students in the fundamentals of care and handling of instruments and equipment for the operative setting. The course instructs students in the proper names, use, and importance of safe care, handling, processing, and troubleshooting of the most common instruments and equipment seen in the surgical setting. In addition, this course also addresses new and ever changing technology utilized in the operating room. It will provide the student with the concepts in the delivery of health care services to monitor, measure, diagnose and treat while providing a safe environment for patients and surgical personnel. The content will discuss specific trends with regard to the use of robotic technology, LASER, stealth navigation, and other cutting edge equipment associated with surgical interventions. BILLABLE CONTACT HOURS: 5

**SUR 2460 Capstone & Certificate Preparatory ... 2 Credit Hours****English/ESL Placement:** Placement into ENG 1510 or ESL 2520.**Prerequisite:** Acceptance to the Surgical Technology Program and completion of SUR 2150 SUR 2350 SUR 2420 SUR 2440 and SUR 2450; or consent of instructor.**Pre- or Corequisite:** SUR 2370 or consent of instructor.**Note:** Prerequisites for courses in this department are not automatically waived for College Guest students and students with a bachelor's degree or higher from a U.S. institution.

This course is the capstone for the Surgical Technology Program. The course combines research and theory with experiential and reflective learning and emphasizes active participation. Class sessions will consist of lectures, problem solving exercises, small and large group discussion, and hands-on activities to support the development of your personal resume and interview skills. Each student is required to develop a resume and cover letter and have a 'mock interview' during this course. Emphasis is also placed on preparation for entering the profession of Surgical Technology. Multiple practice certification exams will be given in preparation for the actual Certification exam to be held the week after course completion. Preparation for the Surgical Technology Certification (CST) Exam will be a primary focus. BILLABLE CONTACT HOURS: 2