

# SURGICAL TECHNOLOGY (SURG TC)

## Surgical Technology (SURG TC) 105

### Sterile Processing Basics

The course is designed to present an introduction to the central sterile processing setting and its relevant standards and protocols related to regulations, infection prevention, quality assurance, safety, risk management, communication, and professional practices. This course will illustrate the theories related to cleaning, disinfection, assembly, packaging, sterilization, storage, transportation of medical devices, Standard and Universal precautions, and event-related sterility. Additionally, in this course, students will learn ancillary support service skills in pursuant to entering the central sterile processing setting. Students will complete a cumulative review of the curriculum required to prepare for the Certified Registered Central Service Technician (CRCST) Examination delivered by the International Association of Healthcare Central Sterile Material Management (IAHCSMM). This course also highlights professional development and employability skills such as cover letter writing, resume writing and interview techniques. Writing assignments, as appropriate to the discipline, are part of the course. *Eligibility for ENGLISH 101, and Admission to Sterile Processing program* 4 Laboratory hours. 5 Lecture hours. 7 Credit Hours.

**Offered At:** MX

## Surgical Technology (SURG TC) 106

### SP Experiential Learning

In this course, instruction is delivered by faculty and onsite by a central sterile employee. Students will complete the essential duties that central sterile processing technicians are responsible for in the relative central sterile areas. The clinical hours offered in this course combined with minimal additional hours as a central sterile processing department volunteer or employee are necessary to fulfill the 400 hours of hands-on experience needed to apply to sit for the Certified Registered Central Service Technician (CRCST) Examination. This course is also designed to introduce basic and complex surgical instrumentation, as well as commonly used medical devices used in the patient care environment. Writing assignments, as appropriate to the discipline, are part of the course.

*Eligibility for ENGLISH 101, Admission into the Sterile Processing Program, & co-enrollment in SURG TC 105*

25 Clinical hours. 2 Laboratory hours. 9 Credit Hours.

**Offered At:** MX

## Surgical Technology (SURG TC) 111

### Intro To Surgical Technology

This course is designed to introduce students to the history and foundation of Surgical Technology, the legal and ethical responsibilities of healthcare professionals, and risk management. In addition, this course will explore the technological sciences, patient care related concepts, and professional role of Surgical Technologist. This course also examines various human diversity issues relating to the care of surgical patients. Age, death/ dying, disability status, ethnicity, gender, race, religion and economic status will all be examined. Writing assignments as appropriate to the discipline are part of the course.

*Admission to the Surgical Technology Program, BIOLOGY 120, BIOLOGY 121, BIOLOGY 226, Any college level Math course (MATH 118 recommended), and ENGLISH 101: Composition Eligibility*

2 Lecture hours. 2 Credit Hours.

**Offered At:** MX

## Surgical Technology (SURG TC) 112

### Principles & Practice for STs

This course is designed to introduce students to the techniques and application of the principles and practices that are performed during the preoperative, intraoperative and postoperative phases of surgical interventions. Writing assignments, as appropriate to the discipline, are part of the course.

*Admission to the Surgical Technology Program, BIOLOGY 120, BIOLOGY 121, BIOLOGY 226, Any college level Math course (MATH 118 recommended), and ENGLISH 101 Composition Eligibility.*

3 Laboratory hours. 2 Lecture hours. 3 Credit Hours.

**Offered At:** MX

## Surgical Technology (SURG TC) 113

### Surgical Procedures I

This course is designed to introduce students to the preoperative, intraoperative, and postoperative considerations related to Diagnostic, General, Ob/Gyne, Genitourinary, and Otorhinolaryngology surgical procedures/ disciplines. The relevant surgical anatomy, physiology, pathophysiology, and diagnostic interventions as well as unique aspects and practices of these surgical disciplines will be examined. Writing assignments as appropriate to the discipline are part of the course.

*Admission to the Surgical Technology Program, Completion of SURG TC 111, SURG TC 112, and BIOLOGY 227 with a grade of C or better and concurrent enrollment in SURG TC 114*

4 Lecture hours. 4 Credit Hours.

**Offered At:** MX

## Surgical Technology (SURG TC) 114

### Applied Surgical Procedures

This course is designed for students to begin to connect the knowledge of the principles and practices learned in Surg TC 112 to the creation and maintenance of the sterile field and preoperative preparation of the surgical patient. This course will cover the relevant surgical case management skills up to the TIME OUT portion of entry level mock surgical cases. Where possible, these mock surgical cases will reflect the surgical procedures taught concurrently with this course in Surg TC 113. Writing assignments as appropriate to the discipline are part of the course.

*Admission to the Surgical Technology Program, Completion of SURG TC 111, SURG TC 112, and BIOLOGY 227 with a grade of C or better and concurrent enrollment in SURG TC 113*

8 Laboratory hours. 4 Credit Hours.

**Offered At:** MX

## Surgical Technology (SURG TC) 116

### Surgical Procedures II

This course is designed to introduce students to the preoperative, intraoperative, and postoperative considerations related to Endoscopy, Oral Maxillofacial, Plastic Reconstructions, Ophthalmic, and Orthopedic surgical disciplines. The relevant surgical anatomy, physiology, pathophysiology, and diagnostic interventions as well as unique aspects and practices of these surgical disciplines will be examined. Writing assignments as appropriate to the discipline are part of the course.

*Admission to the Surgical Technology Program, Completion of SURG TC 113, SURG TC 114, and MICROBIO 233 with a grade of C or better and concurrent enrollment in SURG TC 118*

3 Lecture hours. 3 Credit Hours.

**Offered At:** MX

### **Surgical Technology (SURG TC) 118**

#### **Applied Surgical Procedures II**

This course is designed to enable students to build upon the techniques learned and practiced in Surg TC 114. At this level, students will bring together the preoperative, intraoperative and postoperative surgical case management skills relevant to entry level mock surgical cases from Preoperative preparation of the surgical Patient through completion of the procedure, surgical wound management, and return of the operating room to its preoperative state. Where possible, these mock surgical cases will reflect the surgical procedures taught concurrently with this course in SURG TC 116. Writing assignments as appropriate to the discipline are part of the course.

*Admission to the Surgical Technology Program, Completion of SURG TC 113, SURG TC 114, and MCROBIO 233 with a grade of C or better and concurrent enrollment in SURG TC 116*

8 Laboratory hours. 3 Credit Hours.

**Offered At:** MX

### **Surgical Technology (SURG TC) 210**

#### **Surgical Procedures III**

In this course students are introduced to the preoperative, intraoperative, and postoperative considerations related to Pediatric, Trauma, Neuro, Peripheral Vascular, and Cardiovascular/ Thoracic surgical disciplines.

The relevant surgical anatomy, physiology, pathophysiology, and diagnostic interventions as well as unique aspects and practices of these surgical disciplines will be examined. Writing assignments as appropriate to the discipline are part of the course.

*Admission to the Surgical Technology Program, Completion of SURG TC 113, SURG TC 114, and MCROBIO 233 with a grade of C or better and concurrent enrollment in SURG TC 116*

4 Lecture hours. 4 Credit Hours.

**Offered At:** MX

### **Surgical Technology (SURG TC) 211**

#### **Surgical Intervention IV**

A study of surgical procedures with emphasis on thoracic, vascular and cardiac surgery. There is also emphasis placed on resume writing, job placement, interviewing and negotiating in the job market. Review for the national exam. Writing assignments, as appropriate to the discipline, are part of the course.

*Grade of C or better in SURG TC 200.*

1 Laboratory hours. 2 Lecture hours. 2 Credit Hours.

**Offered At:** MX

### **Surgical Technology (SURG TC) 212**

#### **Clinical Experience I**

This clinical course is designed for students to synthesize and apply the skills gained in the preceding surgical technology core curriculum courses under direct supervision of a preceptor, at their assigned clinical site. In this surgical setting, students will perform the sterile and nonsterile perioperative responsibilities of an entry level Surgical Technologist. Students may be assigned for a portion of this course in the sterile processing department, surgery department, endoscopy department, and labor and delivery department. Together with Surg TC 213 (Clinical Experience II), students are required to scrub a minimum of 120 cases. Clinical sites are located within 50-miles of the campus and are assigned by the Program Director and Clinical Coordinator based on the factors outlined in the clinical contract. Written assignments and clinical documentation appropriate to the discipline, are part of this course and due weekly. Students will also be expected to attend a one-hour conference with clinical instructors each week on campus as part of this course.

*Admission to the Surgical Technology Program, Completion of SURG TC 116 and SURG TC 118 with a grade of C or better and concurrent enrollment in SURG TC 210 and SOC 201*

24 Laboratory hours. 5 Credit Hours.

**Offered At:** MX

### **Surgical Technology (SURG TC) 213**

#### **Clinical Experience II**

In this course, students will apply the skills learned in the Surgical Technology curriculum under the direct supervision of preceptors at their assigned clinical site. In this hand-on training, students function in both nonsterile and sterile perioperative roles. Students may be assigned to sites where the sterile processing, labor and delivery, and/or endoscopy departments will be a part of their rotation. In this Clinical Experience course, together with Surg TC 212, students are expected to scrub a minimum of 120 cases. In this course, students are expected to take a more independent role during surgical procedures as the course progresses. Clinical sites are located within a 50-mile radius of the campus. Written assignments and case documentation appropriate to the discipline, are part of this course.

*Admission to the Surgical Technology Program, Completion of SURG TC 212 and SURG TC 210 with a grade of C or better, concurrent enrollment in SURG TC 210 and satisfactory completion of all required immunizations*

32 Laboratory hours. 9 Credit Hours.

**Offered At:** MX

### **Surgical Technology (SURG TC) 215**

#### **Career Readiness for STs**

This course will prepare Surgical Technology students for the National Board of Surgical Technologists and Surgical First Assistants and will include participation in the national board exam at the end of the course. Students will also develop resume building, interview skills, professional communication and oral presentation techniques.

*Grade of C or better in SURG TC 212 and SURG TC 218, and concurrent enrollment in SURG TC 213*

3 Lecture hours. 3 Credit Hours.

**Offered At:** MX