

american  
career  
college

one change changes everything™

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Train For A Career In

# Surgical Technology

ASSOCIATE OF OCCUPATIONAL  
SCIENCE DEGREE PROGRAM



We all dream of **success**.  
Our goal is to help you achieve it.



## Meet American Career College

With over 45 years of experience in healthcare training and more than 70,000 graduates, ACC is here to help you make your goals a reality.

Our classes are modeled after real-life scenarios, using the same medical tools and equipment you'll use on the job. That way, you're prepared to jump in on your very first day. We provide education focused on real-world skills and knowledge, giving our students the opportunity to change their lives for the better.

### What is a Surgical Technologist?

Surgical technologists assist surgeons, nurses, and anesthesiologists during surgical operations. They prepare the operating room, set up a sterile table, and pass instruments and supplies to the surgeon during surgery.<sup>1</sup>

Surgical technologists can work in a variety of facilities including hospitals and outpatient care centers.<sup>1</sup>

### Program Overview

In the Surgical Technology program, you'll work towards your Associate of Occupational Science degree by studying psychology, anatomy and physiology, medical law and ethics, pharmacology, and surgical techniques. The program helps you build the skills you need to become a successful member of the surgical team.

#### Surgical Technology Skillset



**Equip and Manage Operating Rooms**

Track patient health by learning to use the Sphygmomanometer to monitor blood pressure.



**Manage Instruments**

Assist surgeons and nurses during surgery.



**Prep Patients for Surgery**

Practice monitoring vital signs and preparing charts.

<sup>1</sup> <https://www.labormarketinfo.edd.ca.gov/OccGuides/detail.aspx?Soccode=292055&Geography=0601000000>





## Surgical Technology Program

The Surgical Technology program is divided into eight 10-week quarters. Typically, general education courses are taught in the first two quarters, along with two introductory surgical technology courses.

In the last two quarters, students will gain hands-on experience through 540 hours of clinical rotations. To complete the program, students sit for the certification examination administered by the National Board of Surgical Technology and Surgical Assisting.

### General Education Courses:

**ANAT205** Clock Hours 20 | Quarter Credits 2

#### Introduction to Anatomy and Physiology

The purpose of this course is to understand the organization and general plan of the body and the importance of how the human body functions. This includes an introduction to the human body, chemical aspects of the life, cells, tissues, membranes, and the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems.

cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Concepts of development, metabolism, fluid and electrolyte balance, pregnancy, prenatal development, genetics and their impact on human movement and health are included. Laboratory learning activities will include identification of anatomical structures, surface anatomy, and their function and relationship to homeostasis.

will be equipped with techniques that facilitate creative, academic, and professional written communication. Additionally, students will be given library activities to enhance research skills.

**ANAT205-L** Clock Hours 40 | Quarter Credits 2

#### Introduction to Anatomy and Physiology Lab

The purpose of this course is to understand the organization and general plan of the body and the importance of how the human body functions. This includes an introduction to the human body, chemical aspects of the life, cells, tissues, membranes, and the integumentary, skeletal, muscular, nervous, endocrine,

**ENGL100** Clock Hours 40 | Quarter Credits 4

#### Written Communications I\*

This course provides instruction in the process of effective written communication for a variety of formats. It initially focuses on four basic areas of effective writing: unity, specifics, coherence, and grammar. The course will utilize reading, discussion and personal insight to increase students' capacity to write simple paragraphs, formal essays, reports and research projects. Students

**MATH110** Clock Hours 40 | Quarter Credits 4

#### College Mathematics I

This course will cover mathematical logic, Boolean algebra, set theory, number abstractions, operations and their properties, monomials, polynomials, equations, and inequalities.

**PSYC100** Clock Hours 40 | Quarter Credits 4

#### Introduction to Psychology\*

This course provides basic psychological concepts such as the nervous system, memory, intelligence, and development along with Freudian, humanistic, social, cognitive, and trait theories.

\*Courses delivered in a blended format, a combination of online and on ground

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**SURG260** Clock Hours 80 | Quarter Credits 4**Surgical Procedures I**

This course introduces the student to advanced techniques in surgical patient care. The techniques are reinforced through hands-on practicum. The student will learn the different roles of the Surgical Technologist (Scrub Role-STSR, Assistant Circulator — STAC and Second Assistant — STSA roles) during routine mock surgical procedures in the laboratory setting. The student will participate in mock scenarios for the following surgical subspecialty areas: Minor, General, Obstetric, and Gynecological procedures.

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**SURG270** Clock Hours 80 | Quarter Credits 4**Surgical Procedures II**

This course introduces the student to advanced techniques in surgical patient care. The techniques are reinforced through hands-on practicum. The student will learn the different roles of the Surgical Technologist (Scrub Role — STSR, Assistant Circulator — STAC and Second Assistant — STSA roles) during routine mock surgical procedures in the laboratory setting. The student will participate in mock scenarios for the following surgical subspecialty areas: ENT, Genitourinary, Neuro, Orthopedic, and Endoscopic Procedures.

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**SURG282** Clock Hours 270 | Quarter Credits 9**Clinical Practicum I**

This course provides the student with actual experience participating in surgical procedures and direct patient care in the Surgical Technologists role in the following areas: preoperative, intraoperative, and postoperative patient care. The student also participates in assisting with instrument processing as well as pulling supplies and instrumentation from the sterile supply areas.

A clinical experience includes assisting team members with daily perioperative duties of a surgical technology student while under the supervision of a staff Surgical Technologist and/or Registered Nurse. Students are oriented to a surgical facility and the daily routine of the facility. They may initially observe surgical procedures and then begin to Second Scrub minor procedures. As their clinical experience progresses they move into the First Scrub position for minor procedures and then scrub major cases.

Students must demonstrate completion of one hundred and twenty (120) procedures in the First Scrub and Second Scrub Role.

Within the 120 cases, students are required to complete 30 cases in General Surgery. Twenty of the cases must be in the First Scrub Role. Students are required to complete 90 cases in various surgical specialties. Sixty of the cases must be in the First Scrub Role and evenly distributed between a minimum of 5 specialties. However, 15 is the maximum number of cases that can be counted in any one surgical specialty.

The 120 cases must be completed between the two clinical practicum courses, SURG282 and SURG 292.

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**SURG292** Clock Hours 270 | Quarter Credits 9**Clinical Practicum II**

This course provides the student with actual experience participating in surgical procedures and direct patient care in the Surgical Technologist role in the following areas: preoperative, intraoperative, and postoperative patient care. The student also participates in assisting with instrument processing as well as pulling supplies and instrumentation from the sterile supply areas.

A clinical experience includes assisting team members with daily perioperative duties of a surgical technology student while under the supervision of a staff Surgical Technologists and/or Registered Nurse. Students are oriented to a surgical facility and the daily routine of the facility. They may initially observe surgical procedures and then begin to Second Scrub minor procedures. As their clinical experience progresses they move into scrub major cases.

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The 120 cases must be completed between the two clinical practicum courses, SURG282 and SURG292.

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**SURG296-A** Clock Hours 40 | Quarter Credits 4**National Certification Review I**

This course will prepare the student for the Certified Surgical Technologist (CST) exam via a series of review exercises and practice exams.

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**SURG296-B** Clock Hours 40 | Quarter Credits 4**National Certification Review II**

This course will prepare the student for the Certified Surgical Technologist (CST) exam via a series of review exercises and practice exams.

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**PROGRAM TOTAL:** 1600 Clock Hours  
102 Quarter Credits

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# Core Surgical Technology and Other Courses:

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## **ANAT240** Clock Hours 60 | Quarter Credits 6

### **Advanced Anatomy and Physiology**

The purpose of this course is to understand the organization and general plan of the body and the importance of how the human body functions. By course completion, students should be able to provide an overview of the associate major terms and physiologic functions used in anatomy with clinical situations, define and describe anatomical structures and normal physiologic functions of the musculoskeletal system, integumentary system, respiratory system, gastrointestinal system, cardiovascular system, urinary system, reproductive system, digestive system, endocrine system, and the central nervous system.

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## **CAREER200** Clock Hours 20 | Quarter Credits 2

### **Career Advantage\***

Career Advantage is a course designed to prepare students to develop career planning and job search skills. Thorough, relevant job search preparation is required to compete successfully for jobs in today's market. To prepare the student, the course will address six areas: resumes, job search process, networking techniques in a job search, interview planning and preparation, communication, and workplace skills.

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## **MEDTR110** Clock Hours 40 | Quarter Credits 4

### **Medical Terminology**

The course introduces the student to the use of medical terminology in the health care field. The student studies how component parts are used to form medical terms, how suffixes and prefixes are used to build medical, diagnostic testing, and procedural terminologies. Additionally, the student studies abbreviations with associated appropriate medical terms. Lastly, students will review the medical terminology associated with the organization of the body, body cavities and organs, divisions of the back and the planes of the body and body system disorders.

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## **SURG100** Clock Hours 40 | Quarter Credits 4

### **Introduction to Surgical Technology**

This course introduces the student to the surgical technology field. History of surgery, surgery today, and history of surgical technology are discussed. The student will also learn about surgical technology as a profession, the structure of health care facilities, and hospital organization. In addition, the student will be introduced to the scope of practice as a member of the surgical team and introduced to medical terminology. Furthermore, students will learn about the microbiological considerations of the operating room, the disinfection and sterilization techniques used to process surgical instruments, equipment, and supplies. The principles of asepsis are discussed in detail as well.

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## **SURG111** Clock Hours 40 | Quarter Credits 4

### **Surgical Techniques I**

This course introduces the student to the operating room environment. Common hazards and safety precautions are discussed. The student will also learn about technological advances of the modern operating room. In addition, the student will be introduced to basic surgical instrumentation, equipment, and supplies. The student will also learn about wound healing, sutures, wound closure techniques, and needle types and parts.

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## **SURG111-L** Clock Hours 80 | Quarter Credits 4

### **Surgical Techniques I Lab**

In the laboratory component of this course the student is introduced to basic surgical techniques such as aseptic technique, scrubbing, gowning and gloving, establishing a sterile field, and organizing the sterile field. The student will also learn how to perform the surgical counts as well as assisting with draping the surgical patient.

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## **SURG131-L** Clock Hours 80 | Quarter Credits 4

### **Surgical Techniques II Lab**

In the laboratory component of this course the student demonstrates an intermediate understanding of surgical techniques such as aseptic knowledge, scrubbing, gowning and gloving, establishing and organizing the sterile field, surgical counts, and draping.

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## **SURG140** Clock Hours 40 | Quarter Credits 4

### **General Microbiology**

This course focuses on a study of several types of microorganisms, with emphasis on bacteria, protists, and viruses. The principles of microbiology will be examined using topical investigations of their metabolism, genetics, immunology, and uses, considering both with medical and non-medical illustrations and their applications. Finally, students will develop a better understanding of the nature of the interaction, both harmful and beneficial, between various microbial species and the human environment.

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## **SURG200** Clock Hours 40 | Quarter Credits 4

### **Pharmacology**

This course teaches the student the basic principles of pharmacology. The student will also learn the classification, names, uses, and important technical considerations for the most commonly dispensed drugs before and during surgery. Anesthetic agents and techniques in anesthesia will also be discussed.

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## **SURG210** Clock Hours 40 | Quarter Credits 4

### **Pathophysiology I**

This course introduces the student to surgically treatable diseases in the following surgical subspecialties: Diagnostic, General, OB/GYN, Ophthalmology, ENT and GU. The student will learn about disease processes and their corresponding surgical treatments. Equipment, supplies, instrumentation and technical considerations for each subspecialty will also be discussed. In addition, the student will be taught the procedural steps to some of the most commonly performed surgeries in these specialty areas.

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## **SURG230** Clock Hours 40 | Quarter Credits 4

### **Pathophysiology II**

This course introduces the student to surgically treatable diseases in the following surgical subspecialties: Plastic/Reconstructive, Orthopedic, Cardiothoracic, Cardio/Peripheral Vascular, Oral/Maxillofacial, and Neurological Surgery. The student will learn about disease processes and their corresponding surgical treatments. Equipment, supplies, instrumentation and technical considerations for each subspecialty will also be discussed. In addition, the student will be taught the procedural steps to some of the most commonly performed surgeries in these specialty areas.

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## **SURG251** Clock Hours 40 | Quarter Credits 4

### **Clinical Orientation**

This course introduces the student to basic principles of perioperative patient care. The scope of practice is discussed with the characteristics and needs of the surgical patient. The student will also learn about the principles of surgical case management from the perspective of the surgical technologist in the scrub role.

This course will prepare the student for their clinical rotation and the Certified Surgical Technologists (CST) exam given by the National Board of Surgical Technology and Surgical Assisting (NBSTSA).

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## **SURG251-L** Clock Hours 80 | Quarter Credits 4

### **Clinical Orientation Lab**

In this course the student should be able to satisfactorily perform the aspects of the Surgical Technologist in the Scrub Role (STSR) in preparation for clinical rotation.



“ If you want to be part of a team that is designated to helping people, go for surgical technology. ”

- ALAN R., ST '23

Start Your **Change** Today



## Accreditation

ACC is institutionally accredited by the Accrediting Bureau of Health Education Schools (ABHES).  
 ABHES: 6116 Executive Blvd., Suite 730, North Bethesda, MD 20852, (301) 291-7550 / [www.abhes.org](http://www.abhes.org).

The Surgical Technology (Associate of Occupational Science) programs at all campuses are programmatically accredited by the Accrediting Bureau of Health Education Schools (ABHES).  
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Student Outcome Information		
<b>Accrediting Bureau of Health Education Schools (ABHES)</b> Los Angeles, Orange County, Ontario: <a href="https://americancareercollege.edu/legal/abhes">https://americancareercollege.edu/legal/abhes</a>		
<b>California Bureau for Private Postsecondary Education (BPPE)</b> Los Angeles: <a href="https://americancareercollege.edu/uploads/School-Performance-Fact-Sheets-Los-Angeles-Campus-1.pdf">https://americancareercollege.edu/uploads/School-Performance-Fact-Sheets-Los-Angeles-Campus-1.pdf</a> Orange County: <a href="https://americancareercollege.edu/uploads/School-Performance-Fact-Sheets-Orange-County-Campus.pdf">https://americancareercollege.edu/uploads/School-Performance-Fact-Sheets-Orange-County-Campus.pdf</a> Ontario: <a href="https://americancareercollege.edu/uploads/School-Performance-Fact-Sheets-Ontario-Campus.pdf">https://americancareercollege.edu/uploads/School-Performance-Fact-Sheets-Ontario-Campus.pdf</a>		
Program Costs		
<a href="https://americancareercollege.edu/catalog/current/financial-information/program-tuition-and-fees/degree-programs-tuition">https://americancareercollege.edu/catalog/current/financial-information/program-tuition-and-fees/degree-programs-tuition</a>		
O*Net Occupation Titles	SOC Code	Links to Occupational Profiles on O*Net
Surgical Technologists: Surgical Technologist (CST), Surgical Technician, Certified Surgical Technologist (CST), Operating Room Surgical Technician (OR St), Surgical Scrub Technologist, Surgical Scrub Technician, Endoscopic Technologist, Operating Room Technician (OR Tech)	29-2055.00	<a href="http://www.onetonline.org/link/summary/29-2055.00">http://www.onetonline.org/link/summary/29-2055.00</a>
To obtain a list of the objective sources of information used to substantiate the salary disclosures, please refer to the California Employment Development Department website at: <a href="https://www.labormarketinfo.edd.ca.gov/Occupational-Guides.html">https://www.labormarketinfo.edd.ca.gov/Occupational-Guides.html</a> . ACC provides career guidance and assistance but cannot guarantee employment. Programs lengths vary by schedule and session. The opinion is the individual's sole opinion and not necessarily representative of that of the school, any instructor or any other student.		

## Location

Los Angeles, Orange County, and Ontario campuses

## Duration

Approximately 20 months

## Schedule

Combination of campus and online instruction. Schedule will vary by quarter.

## Enrollment Requirements

Some of the admissions requirements include:

- » Must be at least 18 or have a parent's or guardian's signature
- » Must have a high school diploma or the equivalent
- » Must take and pass entrance exams

Be sure to speak with an admissions advisor to get all the necessary information to apply for the Surgical Technology program.

## Instructional Equipment

Here are some of the exciting tools you will get hands-on experience with: anatomical model, back tables, bouffants, goggles, gloves/gowns, laparoscopic instruments, major tray, Masks, mayo stands, and OR table

[americancareercollege.edu](http://americancareercollege.edu)  
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