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TRAIN FOR A CAREER IN

# Surgical Technology

ASSOCIATE OF OCCUPATIONAL  
SCIENCE DEGREE PROGRAM





# Overview

➤ Surgical Technologists assist Surgeons, Registered Nurses, and Anesthesiologists during surgical operations. It is their responsibility to maintain surgical equipment, rooms, and supplies, so that surgical procedures are performed safely, efficiently, and effectively.

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. You'll be prepared to become a successful member of the surgical team with the experiences you gain in lecture, lab work, and by working hands-on in a clinical setting.

Surgical Technologists typically work in hospitals and in operating and delivery rooms. However, there are also career opportunities in physicians' offices, dentists' offices, and outpatient care centers.

<b>LOCATION</b>	Los Angeles, Orange County and Ontario Campuses
<b>DURATION</b>	Approximately <b>20 months</b>
<b>ENROLLMENT REQUIREMENTS</b>	<p><b>Each program has entrance requirements, including an entrance exam. Some of the admissions requirements include:</b></p> <ul style="list-style-type: none"> <li>• Must be at least 18 or have a parent or guardian's signature</li> <li>• Must have a high school diploma or the equivalent</li> <li>• All applicants must take and pass entrance exams before admission</li> </ul> <p>Be sure to consult with an Admissions Advisor to get all the information on admission into the Surgical Technology program.</p>
<b>CAREER OPTIONS</b>	<p><b>Here are some of the industry organizations and medical offices that have hired ACC graduates.</b></p> <p>Baptist Memorial Hospital for Women, Children's Hospital, Cedars-Sinai Medical Center, Hoag Hospital, Kaiser Permanente, Lifestyle Lift, San Antonio Community Hospital, St. Bernardine Medical Center, St. John's Medical Center, St. Jude Medical Center/ Knotts Endoscopy, St. Vincent Medical Center, and UCLA Medical Center</p>



# Program Outline



## General Education Courses:

Course #	Course Title	Clock Hours	Quarter Credits
ANAT205	Introduction to Anatomy and Physiology	20	2.0
ANAT205-L	Introduction to Anatomy and Physiology Lab	40	2.0
ENGL110	Written Communications I	40	4.0
MATH110	College Mathematics I	40	4.0
PSYC110	Introduction to Psychology	40	4.0
<b>Subtotal – General Education Courses</b>		<b>180</b>	<b>16.0</b>

## Core Surgical Technology and Other Courses:

ANAT240	Advanced Anatomy and Physiology	60	6.0
MEDTR110	Medical Terminology	40	4.0
CAREER200	Career Advantage*	20	2.0
SURG100	Introduction to Surgical Technology	40	4.0
SURG111	Surgical Techniques I	40	4.0
SURG111-L	Surgical Techniques I Lab	80	4.0
SURG131-L	Surgical Techniques II Lab	80	4.0
SURG140	General Microbiology	40	4.0
SURG200	Pharmacology	40	4.0
SURG210	Pathophysiology I	40	4.0
SURG230	Pathophysiology II	40	4.0
SURG251	Clinical Orientation	40	4.0
SURG251-L	Clinical Orientation Lab	80	4.0
SURG260	Surgical Procedures I	80	4.0
SURG270	Surgical Procedures II	80	4.0
SURG282	Clinical Practicum I	270	9.0
SURG292	Clinical Practicum II	270	9.0
SURG296-A	National Certification Review I	40	4.0
SURG296-B	National Certification Review II	40	4.0
<b>Subtotal – Core Surgical Technology and Other Courses</b>		<b>1420</b>	<b>86.0</b>
<b>Grand Total for All Required Courses</b>		<b>1600</b>	<b>102.0</b>

\*Courses offered in a blended format, a combination of online and on-ground.

## Course Descriptions

The Surgical Technology training 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. Clinical experience in a hospital setting is required for successful completion of the program, and these clinical rotations begin in quarter VII and comprises 540 hours. Each quarter is comprised of prescribed subjects or studies that build upon each other.

To complete the program, students must sit for the certification examination administered by the National Board of Surgical Technology and Surgical Assisting. Graduates may expect to qualify for employment as entry-level Surgical Technologists.

## GENERAL EDUCATION COURSES:

### ANAT205

#### 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.

**Corequisite:** ANAT205-L

### ANAT205-L

#### 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, 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.

**Corequisite:** ANAT205

### ENGL110

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

**Prerequisite:** None

### MATH110

#### College Mathematics I

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

**Prerequisite:** None

### PSYC110

#### 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.

**Prerequisite:** None

## CORE SURGICAL TECHNOLOGY AND OTHER COURSES:

### ANAT240

#### 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.

**Prerequisite:** ANAT205

### CAREER200

#### 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.

**Prerequisite:** None

### MEDTR110

#### 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.

**Prerequisite:** None

### SURG100

#### 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.

**Prerequisite:** None

### SURG111

#### 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.

**Prerequisite:** SURG100

### SURG111-L

#### 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.

**Prerequisite:** SURG100

### SURG131-L

#### 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.

**Prerequisites:** SURG100, SURG111, SURG111-L

### SURG140

#### 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.

**Prerequisite:** None

### SURG200

#### 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.

**Prerequisite:** SURG100

### SURG210

#### 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.

**Prerequisites:** ANAT205, ANAT205-L, ANAT240, SURG100, SURG111, SURG111-L, SURG131-L

## SURG230

### 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.

**Prerequisites:** ANAT205, ANAT205-L, ANAT240, SURG100, SURG111, SURG 111-L, SURG131-L

## SURG251

### 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).

**Prerequisite:** None

## SURG251-L

### 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.

**Prerequisite:** None

## SURG260

### 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.

**Prerequisites:** SURG100, SURG111, SURG111-L, SURG131-L

## SURG270

### 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.

**Prerequisites:** SURG100, SURG111, SURG111-L, SURG131-L

## SURG282

### 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 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, SURG281 and SURG 291.

**Prerequisites:** ANAT205, ANAT205-L, ANAT240, ENGL110, MATH110, PSYC110, SURG100, SURG111, SURG111-L, SURG131-L, SURG140, SURG200, SURG210, SURG230, SURG251, SURG251-L, SURG260, SURG270

## SURG292

### 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 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 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, SURG281 and SURG291.

**Prerequisites:** ANAT205, ANAT205-L, ANAT240, ENGL110, MATH110, PSYC110, SURG100, SURG111, SURG111-L, SURG131-L, SURG140, SURG200, SURG210, SURG230, SURG251, SURG251-L, SURG260, SURG270

## SURG296-A

### 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. This is a blended course (online and live classroom contact hours and requirements).

**Prerequisites:** ANAT205, ANAT205-L, ANAT240, ENGL110, MATH110, PSYC110, SURG100, SURG111, SURG111-L, SURG131-L, SURG140, SURG200, SURG210, SURG230, SURG251, SURG251-L, SURG260, SURG270

## SURG296-B

### 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. This is a blended course (online and live classroom contact hours and requirements).

**Prerequisites:** ANAT205, ANAT205-L, ANAT240, ENGL110, MATH110, PSYC110, SURG100, SURG111, SURG111-L, SURG131-L, SURG140, SURG200, SURG210, SURG230, SURG251, SURG251-L, SURG260, SURG270



\*Courses offered in a blended format, a combination of online and on-ground.

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# Surgical Technology

## Accreditation

ACC is institutionally accredited by the **Accrediting Bureau of Health Education Schools (ABHES)**.

ABHES: 7777 Leesburg Pike, Suite 314N, Falls Church, VA 22043 / Phone (703) 917-9503 / Fax (703) 917-4109 / [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)**. ABHES: 7777 Leesburg Pike, Suite 314N, Falls Church, VA 22043 / Phone (703) 917-9503 / Fax (703) 917-4109 / [www.abhes.org](http://www.abhes.org)

Campus Locations	Orange County	Ontario	Los Angeles
<b>ACCREDITING BUREAU OF HEALTH EDUCATION SCHOOLS (ABHES)</b>			
<b>Retention Rates</b>			
Based on the calculation required by ACC's accrediting body, ABHES. ABHES defines retention rate as the number of graduates plus students who enrolled as of June 30, 2018 divided by the number of students who were in school from July 1, 2016 to June 30, 2017 and were still enrolled as of July 1, 2017 plus new starts during the reporting period and students who reentered between July 1, 2017 and June 30, 2018.	80%	77%	72%
<b>Placement Rates</b>			
Based on the calculation required by ACC's accrediting body, ABHES. ABHES defines placement rates as the number of graduates who complete the program during the reporting period (July 1, 2017-June 30, 2018) who are graduates who were available for employment and found a job in their field of training.	88%	72%	80%
<b>CALIFORNIA BUREAU FOR PRIVATE POSTSECONDARY EDUCATION (BPPE)</b>			
<b>On-time Completion Rates</b>			
The number of students who completed the program within 100% of the published program length within 2017 divided by the number of students who began the program who were scheduled to complete the program within 100% of the published program length within 2017 and excludes all students who canceled during the cancellation period, minus the number of students who have died, been incarcerated, or been called to active military duty.	35%	28%	47%
<b>Placement Rates</b>			
The number of 2017 graduates gainfully employed in the field divided by the number of graduates available for employment. Graduates employed in the field means graduates who beginning within six months after a student completes the applicable educational program are gainfully employed, whose employment has been reported, and for whom the institution has documented verification of 35 days employment. For occupations for which the state requires passing an examination, the six months' period begins after the announcement of the examination results for the first examination available after a student completes an applicable educational program.	35%	34%	33%
<b>Program Costs</b>			
Includes tuition and fees for the entire program, and assumes normal completion. Tuition and Fees are subject to change.	\$39,715	\$39,715	\$39,715
<b>O*Net Occupation Titles</b>			
	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="http://www.labormarketinfo.edd.ca.gov/occguides/Search.asp">http://www.labormarketinfo.edd.ca.gov/occguides/Search.asp</a> . ACC cannot guarantee employment. Programs lengths vary by schedule and session.			



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