

SURGICAL TECHNOLOGY

**Biological and Health Sciences Division, Room C140,
(847) 543-2042**

Surgical technologists are allied health professionals who are an integral part of the surgical team. They provide intraoperative services under the direct supervision of surgeons or registered nurses. They assist in the decontamination and set up of the operating room suites for each procedure, organize necessary surgical and sterile supplies and equipment, and maintain the quality, safety, and efficiency of the sterile field throughout the operation.

Technologists might also be involved in transporting patients to the operating room, assisting to position patients on the operating table, observing vital signs, checking charts, and helping the surgical team with sterile gowns and gloves.

During surgery, they must anticipate the needs of the surgeon by watching the progress of the surgery and knowing the steps of the procedure. They are accountable for care of the surgical instrumentation and equipment before, during, and at the end of surgical cases.

The Surgical Technology certificate is a four-semester sequence (including two summer terms) that prepares students to work in medical facilities as surgical technologists. Graduates of the certificate program are qualified to take the Surgical Technologist National Certifying Exam given by the National Board of Surgical Technology and Surgical Assisting (NBSTSA).

Upon acceptance into the program, students are required to undergo a background check and a urine drug screen. These will occur annually and the results of which may result in the student losing his/her seat in the program. The costs are borne by the student.

Program Accreditation

The Association of Surgical Technologists (AST) requires that surgical technologists who are applying for certification for the first time must have completed their education in a program that is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The CLC surgical technology program is fully accredited by CAAHEP.

Physical and Emotional Ability Performance Standards

Students must meet the physical and emotional ability standards listed below to satisfactorily perform in the Surgical Technology program. Students must:

- have full range of motion of joints, fine motor movements of the hands, ability to perform repetitive tasks and the ability to stoop, bend, twist, reach and occasionally kneel and squat.

- have the ability to lift and carry objects weighing up to 50 pounds.
- be able to push or pull a wheelchair, cart, or gurney.
- have adequate hearing which permits the individual to communicate in a rational and coherent manner with others in the English language.
- have the ability to examine closely images or other forms of output created by diagnostic equipment; must have color vision; must have good visual acuity for client assessment, medication checking, assist during surgical procedures, and for documentation.
- adapt effectively to high stress environments to insure client safety.
- respond in an emotionally controlled manner in learning situations.
- be able to stand and walk 4 to 8 or more hours per clinical session.

Please contact the SRG department chair Soheila Kayoud at (847) 543-2776 if you have questions regarding your ability to meet these standards.

Physical Demands for the Surgical Technology Program

- Constant (67 – 100%)
 - talking, seeing, and hearing
 - standing for prolonged periods
 - walking at average speed or faster
 - responding quickly to orders
 - manual dexterity
- Frequent (34 – 66%)
 - lifting and moving patients
 - kneeling, bending, stooping
 - pushing, pulling, reaching
 - refraining from nourishment
- Occasionally (10 – 33%)
 - exert up to 100 pounds of force

The number of students that may be admitted to clinical education courses is limited for any given session; therefore, a screening procedure is used to select the academically best qualified from among those who request consideration.

Preference is given to residents of Community College District 532 (CLC) and residents of other community college districts with which CLC has a Joint Education Agreement.

Students who live outside of CLC's district but are eligible for in-district tuition because they are employed by a district employer are NOT considered residents of the district for purposes of selection into the program.

To be considered for admission to the Surgical Technology program, students must:

1. Attend a Surgical Technology Information Meeting. Attendance date must be no more than two years prior to the screening deadline of the year for which you are applying.

Associate in Applied Science and Career Certificates

2. Submit the following records to the Admission and Records Office:
 - a. Application for admission to the college.
 - b. Official transcript/test results (sent to the Admission and Records Office directly from the appropriate institution):
 - i) Your record from the last high school you attended. Your date of graduation must appear on the transcript. If you did not or will not graduate from high school, you must submit your official GED test results.
 - OR**
 - ii. Your college or university record (must be regionally accredited) documenting completion of an Associate's Degree or Bachelor's Degree. The transcript must indicate which degree you were awarded and the date.
 - c. Official transcripts from any previous college(s) (must be regionally accredited) sent directly to CLC from the college(s).
 - d. Official report of your Health Occupations Basic Entrance Test (HOBET) scores sent directly to CLC.
 - e. Current SRG request for screening.
3. Minimum Selection Criteria: Official transcripts and records must show satisfaction of all of the following criteria:
 - a. High School graduate or the equivalent
 - b. Language proficiency and basic algebra readiness
 - c. Completion of the Health Occupations Basic Entrance Test (HOBET)
 - d. Attend a surgical technology information session

Note: Applicants may take the Health Occupations Basic Entrance Test (HOBET) only twice per screening year. It may be taken once between January 1st and June 30th, and once between July 1st and December 31st. Test scores in excess of this limit will not be considered for screening purposes. Please contact the Testing Center at (847) 543-2076 for test dates and times. Test scores more than five years old will not be considered.

Screening Deadline: The deadline is the first Wednesday in February. If space is available in the program after the initial screening deadline, qualified students will be accepted in an order based on academic qualifications. All required materials must be submitted to the Office of Admission and Records by the screening deadlines.

Students must maintain a minimum grade of "C" in each of the courses listed below to continue in and graduate from the program. In addition, students must maintain a CLC gpa of 2.0 or higher.

SURGICAL TECHNOLOGY (Certificate) Plan 21SD

BIO	111	Human Form and Function <i>or</i>	
BIO	244	Anatomy and Physiology I <i>and</i>	
BIO	245	Anatomy and Physiology II	4-8
HIT	111	Medical Terminology	3
SRG	110	Introduction to Surgical Technology	6
SRG	111	Principles of Practice and Introduction to Surgical Procedures.....	7
SRG	112	Surgical Procedures I.....	6
SRG	113	Surgical Procedures II	6
SRG	114	Surgical Procedures III.....	3
SRG	115	Surgical Technology Internship	3
SRG	116	Introduction to Microbiology and Pathophysiology <i>or</i>	3
BIO	125	Introduction to Microbiology	4
SRG	117	Surgical Pharmacology and Introduction to Anesthesia	2

Total Hours for Certificate43-48

++Students intending to pursue the AAS degree should select BIO 125 Introduction to Microbiology, BIO 244 Anatomy and Physiology I, and BIO 245 Anatomy and Physiology II because *all three of these courses* are required for the AAS degree. All prerequisites must be met.

Students may wish to earn an Associate in Applied Science in Surgical Technology, in addition to the certificate. The degree will give students the knowledge and skills necessary for employment as entry level scrub surgical technologists and to gain higher level employment in area hospitals and surgical supply businesses. Graduates of this program will be qualified to sit for the Surgical Technologist National Certifying Exam given by the National Board of Surgical Technology and Surgical Assisting (NBSTSA).

The requirements below include completion of the Surgical Technology Certificate (Plan 21SD), additional coursework, and the General Education Requirements.

To complete an AAS, students must meet the General Requirements on page 93. In addition, students should select General Education electives (*) from those listed on page 94. All course prerequisites must be met.

Associate in Applied Science and Career Certificates

SURGICAL TECHNOLOGY

(Associate in Applied Science) Plan 21SA

Required General Education Coursework15-16

CMM	123	Dynamics of Small Group Discussion <i>or</i>	
CMM	128	Interviewing Practices	3
ENG	120	Technical Composition I <i>or</i>	
ENG	121	English Composition I	3
HUM	127	Critical Thinking	3
PSY	121	Introduction to Psychology	3
		Elective (BIO 123 Strongly Recommended)	3-4

Required Surgical Technology Certificate39

SRG	110	Introduction to Surgical Technology	6
SRG	111	Principles of Practice and Introduction to Surgical Procedures.....	7
SRG	112	Surgical Procedures I.....	6
SRG	113	Surgical Procedures II	6
SRG	114	Surgical Procedures III.....	3
SRG	115	Surgical Technology Internship	3
SRG	116	Introduction to Microbiology and Pathophysiology	3
SRG	117	Surgical Pharmacology and Introduction to Anesthesia	2
SRG	118	Advanced Surgical Procedures.....	3

Additional Required Coursework15

HIT	111	Medical Terminology	3
BIO	125	Introduction to Microbiology	4
BIO	244	Anatomy and Physiology I <i>and</i>	
BIO	245	Anatomy and Physiology II	8

Total Hours for AAS Degree.....69-70

For more information on recommended courses or program specific advising, contact faculty member Soheila Kayoud or the Biological and Health Sciences division at (847) 543-2042.