

## Surgical Technology (9335)

### Associate of Applied Science Degree

A surgical technologist is an integral member of the surgical team, working closely with surgeons, anesthesiologists, registered nurses, and other surgical personnel in delivering patient care before, during, and after surgery. Surgical technologists have primary responsibility for maintaining the sterile field and ensuring that the surgical team adheres to strict sterile technique. They prepare, set up, and handle the instruments, supplies, medications, and equipment necessary for the surgical procedure. In addition, they monitor conditions in the operating room and constantly assess the needs of the patient and the surgical team, anticipating the instruments or materials needed for the next step of each procedure.

### Mission

Lakeland Community College's Surgical Technology program educates students in the knowledge and skills to perform safe and effective patient care in the perioperative environment. This education enables students to excel in the field of surgery and enter the job market with a competitive edge.

Graduates of the program will be eligible for:

- Employment as an entry level practitioner in hospitals, clinics, and doctor's offices.
- The national certification examination for surgical technology administered by the NBSTSA (National Board of Surgical Technology and Surgical Assisting). The CST credential is earned by the candidate's passing score on this exam.
- Transfer to a bachelor degree program such as allied health or continue education into the fields of surgical assisting or nursing.

### Program Goals

The goals of the Surgical Technology program will be to:

1. Provide the students with the knowledge and technical skills for career entry into the profession of surgical technology.
2. Prepare students to meet the criteria to sit for the NBSTSA national CST exam for credentialing.
3. Cultivate personal growth and development through humanities, social science, and communication courses.
4. Promote students' development of interpersonal skills and attitudes needed to interact with patients and other healthcare professionals.

All students enrolled in a nursing or allied health program/certificate must complete a criminal background check. In accordance with clinical site requirements, students with a criminal record may be ineligible to participate in a clinical course/rotation/practicum. Delays, for any reason, in obtaining background results may cause an interruption in the clinical rotation sequence or inability to complete program requirements. Additional background screening may be required by individual facilities.

Drug testing may be requested in accordance with clinical affiliation requirements and/or for patient/student health and safety.

A minimum GPA of 2.0 and a "C" grade or higher is required in all surgical technology and science education courses as listed in the curriculum guide for the AAS degree in surgical technology. Satisfactory/Unsatisfactory grades may not be used to fulfill health program requirements.

### Admission Procedures

**Students must meet specific admission requirements for this program.** Listed below are requirements for admission to the Surgical Technology Program:

#### Option 1: High School Option

This option is for current high school seniors or high school graduates who apply to the program within two years of high school graduation.

- Complete college application(s).
- Composite score of 21 or higher on the American College Test (ACT) or combined score of 940 on the Scholastic Aptitude Test (SAT).
- Place into MATH 1330 Statistics for the Health Sciences or higher or pass MATH 0850 Beginning Algebra.
- Complete high school algebra, chemistry, and biology with a "C" grade or higher.
- An overall high school GPA of 2.5 on a 4.0 scale or equivalent.
- Meet with the program director and counselor to review program prerequisites and requirements.

Upon successful completion of the above criteria, the applicant will be admitted into the program. Students must complete HLTH 1215 Medical Terminology for Health Professions with a "C" grade or higher prior to enrolling in their first health technology course.

## Option 2: College Option

This option is for students who do not qualify for admission under Option 1.

- Complete college application(s).
- Submit high school transcript as well as any college transcript(s).
- Successful passing score on the required program pre-admission test.
- Meet with the program director and counselor to review program prerequisites and requirements.
- Students must have a cumulative GPA of 2.0 or higher in program applicable courses. The following courses, or equivalent courses from other regionally accredited colleges, must be completed with a combined minimum cumulative GPA of 2.5 or higher and a "C" grade or higher.
  - HLTH 1215 Medical Terminology for Health Professions
  - BIOL 2210 Anatomy and Physiology I

**NOTE:** Students must meet one of these requirements to take BIOL 2210 Anatomy and Physiology I with a "C" or higher:






1. High school biology within last five years and high school chemistry.
2. High school biology within last five years and CHEM 1100 Elementary Chemistry.
3. BIOL 1200 Fundamentals of Biology for the Health Technologies

Students are required to take the Math Placement Test and be placed into MATH 1330 Statistics for the Health Sciences or complete MATH 0850 Beginning Algebra with a "C" grade or higher.



## Option 3: Advanced Education Option

Students pursuing this option must have an Associate of Applied Science degree in Nursing or Allied Health, an Associate of Science degree, or a bachelor's degree to be waived from the pre-admission testing. All other Option 2 requirements apply.

**Note:** Students planning to transfer to a four-year college are encouraged to take ENGL 1120 English Composition II in addition to the following requirements.


Course	Title	Credit Hours
<b>First Semester</b>		
BIOL 2210	Anatomy and Physiology I	4
ENGL 1110 or ENGL 1111	English Composition I (A) <sup>1</sup> or English Composition I (B)	3
FYEX 1000	First Year Experience	1
HLTH 1215	Medical Terminology for Health Professions	3
SURG 1100	Surgical Technology I 	5
<b>Credit Hours</b>		<b>16</b>
<b>Second Semester</b>		
BIOL 2220	Anatomy and Physiology II	4
MATH 1330	Statistics for the Health Sciences (or any mathematics course from MATH 1550 or higher) <sup>2</sup>	3
SURG 1300	Surgical Technology II 	7
SURG 1500	Surgical Pharmacology 	2
<b>Credit Hours</b>		<b>16</b>
<b>Summer</b>		
COMM 1000 or COMM 1100	Effective Public Speaking or Effective Interpersonal Communications	3
SURG 2100	Surgical Technology III 	5
<b>Credit Hours</b>		<b>8</b>
<b>Third Semester</b>		
BIOL 2700	Microbiology	4
SURG 2300	Surgical Technology IV 	7
Select course(s) from the Social and Behavioral Sciences Electives list		3
<b>Credit Hours</b>		<b>14</b>

**Fourth Semester**

SURG 2500	Surgical Technology V 	7
SURG 2600	Surgical Technology Seminar 	1
Select course(s) from the Arts and Humanities Electives list		3
<b>Credit Hours</b>		<b>11</b>
<b>Total Credit Hours</b>		<b>65</b>

<sup>1</sup> English course selection is based on test placement results (ENGL 1111 English Composition I (B) is 4 credits, only 3 credits apply to the degree).

<sup>2</sup> Students planning to transfer to a four-year college should take a sequence of math as advised by their counselor

 This course is designated as a technical course in the program. Students must earn a "C" grade or higher in the course to fulfill the college's graduation requirements policy.

**Electives**

Course	Title	Credit Hours
<b>Arts and Humanities</b>		
ARTS 1120	Art Appreciation	3
ARTS 2220	Survey of Art I	3
ARTS 2230	Survey of Art II	3
ENGL 2250	Survey of American Literature I	3
ENGL 2260	Survey of American Literature II	3
ENGL 2280	Survey of British Literature I	3
ENGL 2290	Survey of British Literature II	3
HUMX 1100	Introduction to Humanities	3
HUMX 1200	The American Experience in the Arts	3
MUSC 1200	Music Appreciation	3
MUSC 1215	World Music	3
MUSC 1800	Popular Music: Rock, Jazz, Country, and Hip-Hop	3
MUSC 2200	Music History and Literature I	3
MUSC 2250	Music History and Literature II	3
PHIL 1500	Introduction to Philosophy	3
PHIL 2000	Comparative Religion	3
PHOT 1000	History of Photography	3
<b>Social and Behavioral Sciences</b>		
ANTH 1160	Introduction to Cultural Anthropology	3
ECON 1150	Basic Economics	3
ECON 2500	Principles of Macroeconomics	3
ECON 2600	Principles of Microeconomics	3
GEOG 1500	Introduction to Geography	3
GEOG 1600	World Regional Geography	3
HIST 1150	Western Civilization I: Antiquity Through the Reformation	3
HIST 1250	Western Civilization II: Age of Revolution Through the Present	3
HIST 2150	U.S. History: Colonization Through Reconstruction	3
HIST 2250	U.S. History: Reconstruction to the Present	3
POLS 1300	U.S. National Government	3
POLS 2500	Modern Political Ideologies	3
PSYC 1500	Introduction to Psychology	3
SOCY 1150	Principles of Sociology	3