



Admission to Fall 2012  
Application Deadline **May 1, 2012**

ALLIED HEALTH & HUMAN SERVICES DEPARTMENT  
**SURGICAL TECHNOLOGY PROGRAM**  
Associate in Applied Science Degree-Curriculum Code 1021

**GENERAL INFORMATION**

The surgical technologist is a member of the surgical team, generally working in hospital operating rooms, acting as the primary scrub person who handles the sterile instruments, supplies, and equipment necessary for operative procedures. The surgical technologist works with the surgeon, anesthesiologist, certified registered nurse anesthetist, registered nurse, and licensed practical nurse.

The Lansing Community College Surgical Technology Program is designed to cover both the academic and clinical skills necessary to perform as a surgical technologist; and has been accredited since April 22, 1999 by:

*The Commission on Accreditation of Allied Health Education Programs (CAAHEP).*  
1361 Park Street  
Clearwater, FL 33756  
727-210-2350  
[www.caahep.org](http://www.caahep.org)

The program begins fall semester of each year. There are specific prerequisite courses that must be completed prior to admission to the professional portion/track, the second year, of this program.

**ASSOCIATE DEGREE:** Students who plan to complete this associate degree program must follow the Phase I, Phase II and Phase III guidelines. Students will follow the curriculum as shown on page 6.

Surgical technologists who take and pass the certifying examination offered by the NBSTSA (National Board for Surgical Technology and Surgical Assisting), are certified and authorized to use the initials CST to designate their status as a Certified Surgical Technologist. Certification can be a means of upward mobility, a condition of employment, a route to higher salary, and/or a source of national recognition.

**MOTOR, COGNITIVE, AND PSYCHOLOGICAL GUIDELINES FOR STUDENTS**

Learning disabilities affect students in different ways. Students may have difficulty remembering, understanding, and/or expressing information. Students may be weak in spelling, writing, math, reading, problem solving, organization, and time management. If a student feels they cannot meet the following guidelines and feel they have a learning disability they may contact the Office of Disability Support Services at (517) 483-1904 or 1207, or online at <http://www.lcc.edu/odss> to receive an appropriate accommodation.

1. Essential motor skills required to meet the class and clinical practice outcomes are:

- **STRENGTH:** Perform physical activities requiring ability to push/pull objects more than 50 pounds and to transfer objects of more than 100 pounds.
- **MANUAL DEXTERITY:** Perform motor skills such as standing, walking, writing, handshaking; manipulative skills such as writing, typing; calibration of equipment; venipuncture, and handling instruments.
- **COORDINATION:** Perform body coordination such as walking, filing, retrieving equipment, eye-hand coordination, such as, keyboard skills; tasks which require arm-hand steadiness such as taking blood pressures, calibration of tools and equipment, and handling equipment.
- **MOBILITY:** Perform mobility skills such as walking, standing, and occasionally prolonged standing or sitting in uncomfortable positions.

- VISUAL ABILITY: See objects far away, discriminate colors, and see objects closely as in reading faces, dials, monitors, and medication labels.
  - HEARING: Hear normal sounds with background noise and distinguish sounds.
2. Essential cognitive skills required to meet the class and clinical practice outcomes:
- CONCENTRATION: Concentrate on details with moderate amount of interruptions.
  - ATTENTION SPAN: Attend to task/functions for periods up to, and exceeding, 60 minutes in length.
  - CONCEPTUALIZATION: Understand and relate to specific ideas, concepts, and theories generated and simultaneously discussed.
  - MEMORY: Remember task/assignments given to self and others over both short and long periods of time.
  - CRITICAL THINKING: Possess critical thinking ability sufficient for clinical judgment. Apply theoretical concepts to clinical settings.
3. Essential psychological skills required to meet the class and clinical practice outcomes:
- INTERPERSONAL: Use interpersonal skills sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.
  - COMMUNICATION: Communicate effectively for interaction with others in verbal, non-verbal and written form. Explain treatment procedures.
  - SUBSTANCE ABUSE: Evidence of no current alcohol or drug abuse, or felony convictions related to alcohol or drug abuse.
  - SEQUENCING: Remember and execute tasks and skills in a predetermined arrangement of succession, building upon consecutive steps.

### **ENVIRONMENTAL CONDITIONS**

The surgical technologist may be exposed to a variety of substances within the work environment. You can expect to be exposed to blood, body tissues or body fluids, electrical hazards, hazardous waste materials, radiation, chemicals, and loud or unpleasant noises. **Upon acceptance into the program students will be required to complete online OSHA Bloodborne Pathogen and Universal Precautions and HIPAA training sessions, which must be completed prior to the first day of clinical practice.**

### **CRIMINAL BACKGROUND CHECKS**

Admission to the Surgical Technology Program will be denied if an individual is precluded from participating in clinical due to a criminal record pursuant to MCL 333.20173a. See page 5 of this guide for further clarification.

*Lansing Community College does not discriminate on the basis of race, religion, age, national origin, sex, marital status, color, height, weight, handicap or sexual orientation in its employment, educational programs or activities. If you feel you have been discriminated against, contact the Equal Opportunity Office at (517) 483-1030 or toll free 1-800-644-4522 x1030.*

**SELECTIVE ADMISSION REQUIREMENTS**

May 1, 2012 Application Deadline

*This deadline is contingent upon availability of space in the program.*

*If seats are still available after the May grade review, applications will still be accepted; contact Enrollment Services.*

This program is a selective admission program. All admission procedures are coordinated through the Enrollment Services Office. They are responsible for distributing, receiving, and dating application forms. Therefore, any student desiring admission into this program should contact the Enrollment Services Office, Gannon Building, Suite 203 (517/483-1200, email at **selective\_admissions@lcc.edu**) to receive an application. The student may then contact the program advisor for further information.

Students meeting Phase I Admission Requirements will be ranked for admittance into the program using a point value system. Points will only be awarded to students who meet the Phase I Admission Requirements at the time selection of students for admission is made.

The student applicant is responsible for providing verification of other information not contained in the current Lansing Community College official transcript.

**PHASE I - ADMISSION REQUIREMENTS**

1. An application for selective admission must be submitted to the Enrollment Services Office,
2. Send official transcripts from all colleges attended if you wish to transfer courses toward the Surgical Technology Program, or verify a degree. If you are sending an official transcript, it must be mailed directly from the college attended to: 1121-Enrollment Services, Lansing Community College, P.O. Box 40010, Lansing, MI 48901-7210. **Transcripts for Spring Semester 2012 must be received in Enrollment Services by May 19, 2012.**
3. Clinical facilities mandate that the Hepatitis B vaccine series be **completed** prior to surgery observation, which occurs the first two weeks in December. The vaccine is a series of three (3) injections (approximately \$40.00-\$100.00 per injection) given over a 7 month period. **Applicants are required to submit proof of the first injection by the May 1, 2012, application deadline.** Proof must be submitted to the Enrollment Services Office.
4. Successfully complete the following prerequisite program courses prior to admission, with a 2.5 GPA or better (except MATH 112, MGMT 234, SPCH 110 and WRIT121 which require a 2.0 GPA or better).

<b>COURSE CODE &amp; TITLE</b>	<b>CREDITS</b>	<b>PREREQUISITE(S)</b>
BIOL 201 - Human Anatomy	4	Reading Level 5 and Writing Level 6 and Math Level 4 and; CHEM 120 w/ 2.0 minimum or BIOL 121 w/2.0 minimum or passing score on Health Biology Proficiency Test.
BIOL 202 – Human Physiology	4	BIOL 201 w/2.0 minimum and Reading Level 5 and Writing Level 6 and Math Level 5; BIOL 121 and Chemistry recommended
CHSE 117 – Health Law and Ethics	2	Reading Level 5 and Writing Level 4
CHSE 120 - Medical Terminology (previously CHSE 121)	4	Reading Level 5 and Writing Level 4
<b>Math CORE Requirement:</b> MATH 112, MATH 115, MATH 117 (2.0 GPA) <b>OR</b> Pass the Math Proficiency Exam for MATH 112 <b>(may be taken only once, at a \$50.00 cost)</b>	0-4	See Schedule Book
<b>Communication CORE Requirement:</b> SPCH 110, SPCH 120, SPCH 130	3	See Schedule Book
SURG 103 – Surgical Asepsis <b>or</b> BIOL 203 – Microbiology (3 credits)	2	
<b>Writing CORE Requirement:</b> WRIT 121, WRIT 122, WRIT 131, or WRIT 132	4	See Schedule Book
<b>Global Perspectives &amp; Diversity CORE Preferred/ Recommended Requirement:</b> MGMT 234, POLS 270, SOCL 120, SOCL 260, or SPCH 280.	3/4	See Schedule Book

**NOTE:** Applicants transferring mathematics from another college must have credit equivalent to Lansing Community College's MATH 112 - Intermediate Algebra with a 2.0 grade or better. Applicants with a bachelor's degree will have LCC Core Education requirements waived, but must show proficiency in MATH 112, BIOL 201, and BIOL 202.

**CORE Education Requirements:**

Core requirements will be met in the following areas by completing the required courses (shown in parentheses).

Communication Core Area	(SPCH 110, SPCH 120, or SPCH 130)
*Global Perspectives & Diversity Core Area	<b>(MGMT 234, POLS 270, SOCL120, SOCL 260, or SPCH 280)</b>
Mathematics Core Area	(MATH 112, MATH 115, MATH 117, MATH 121, or higher)
Science Core Area	(BIOL 202)
Writing Core Area	(WRIT 121, WRIT 122, WRIT 131, or WRIT 132)

\*For Global Perspectives and Diversity **the bolded courses** are **preferred/recommended** by the program.

Note: Other core courses can be chosen for **this category**, as listed at:

<http://www.lcc.edu/catalog/core/documents/Core-Courses-Fall-2011.pdf>

**PHASE II - ADMISSION RANKING**

<p>1. Residency (Points are based on student's residency status at the start of spring semester of the year of application. See <a href="http://www.lcc.edu/schedule/pdfs/8_steps_brochure.pdf">http://www.lcc.edu/schedule/pdfs/8_steps_brochure.pdf</a> for residency policy.)</p> <ul style="list-style-type: none"> <li>⇒ Residency within the LCC district</li> <li>⇒ All others (out-of-district, out-of-state, and international)</li> </ul>	<p>10 pts. 5 pts.</p>
<p>2. Grade point average (GPA: Total Combined) in BIOL 201, BIOL 202, CHSE 117, CHSE 120, and SURG 103, will determine the following points to be assigned:</p> <ul style="list-style-type: none"> <li>⇒ 3.5 – 4.0</li> <li>⇒ 3.0 – 3.4</li> <li>⇒ 2.6 – 2.9</li> </ul>	<p>25 pts. 15 pts. 5 pts.</p>
<p>3. Points will be given for <b>Overall GPA</b> in ALL nine (9) prerequisite courses as follows:</p> <ul style="list-style-type: none"> <li>⇒ 3.5 - 4.0</li> <li>⇒ 3.0 - 3.4</li> <li>⇒ 2.6 - 2.9</li> </ul>	<p>25 pts. 15 pts. 5 pts.</p>
<p>4. No withdrawal and/or repeat of CHSE 117, BIOL 201, CHSE 120 and SURG 103</p>	<p>5 pts.</p>
<p>5. Previous postsecondary education (<u>only one</u>):</p> <ul style="list-style-type: none"> <li>⇒ Baccalaureate or Master's Degree</li> <li>⇒ Associate Degree</li> <li>⇒ 10+ credits toward a degree (Not to include CHSE 117, BIOL 201, CHSE 120 and SURG 103)</li> </ul>	<p>10 pts. 5 pts. 3 pts.</p>
<p>6. Experience (For points to be awarded Applicant experience requires <b>written documentation on employer letterhead</b> from the supervisor of the department in which the candidate is/was employed or had the experience)..</p> <p>Documented work or volunteer experience (<b>with direct patient care</b>) in the health care field.</p> <ul style="list-style-type: none"> <li>⇒ 10+ years</li> <li>⇒ 5 – 9 years</li> <li>⇒ 1 – 4 years</li> <li>⇒ Less than one year</li> </ul> <p>Documented work experience in a Surgical Department of 1 year or more</p>	<p>10 pts. 5 pts. 3 pts. 1 pt. 10 pts.</p>
<p>7. Qualified applicants who have applied more than once without admission to the program</p> <ul style="list-style-type: none"> <li>⇒ 3 applications (2 denial letters)</li> <li>⇒ 2 applications (1 denial letter)</li> </ul>	<p>3 pts. 2 pts.</p>

### **PHASE III – POST-ADMISSION REQUIREMENTS**

1. Show evidence of good physical and mental health. A physical examination, at student cost, will be required prior to the end of Fall Semester-2<sup>nd</sup> Year (December 1, 2012).
2. **Criminal Background Check – I-Chat**

LCC's purpose for requiring a Criminal Background Check is:

1. To identify any student who could not continue in a program due to a felony conviction or a misdemeanor. This will assist the student in making career choices.
2. To act in good faith by not placing a student with a potential problem in a clinical site.
3. To conform to the requirements of individual clinical sites. Some sites may require additional testing, (i.e., drug testing), which students must comply with at their own expense.

The online I-Chat criminal background service will be required prior to the end of Fall Semester-2<sup>nd</sup> Year (December 1, 2012), at student cost. Currently there is a \$10.00 fee for the I-Chat service.

Once admitted to the program, students **arrested** for any felony or misdemeanor must contact the program Academic Team Leader at 517/483-1410, within 72 hours of the arrest. Students subsequently **convicted of any crime(s)** listed above will be dismissed from the Surgical Technology Program.

## Master Curriculum and Cost Information

### Fall Semester 2012 Admission

<b>TUITION:</b> Tuition is payable at the time of registration for each semester.	
<b>Current Tuition Rates (Per Billing Hour)</b>	
In-district..... \$ 79.00	\$5.00 per Billing Hour Facilities Fee
Out of district..... \$ 158.00	
Out of state..... \$ 237.00	
International..... \$276.00	
<i>NOTE: Tuition rates, credit hours and course fees are subject to change by action of the Board of Trustees.</i>	

PREREQUISITE COURSES		CREDIT HOURS	BILLING HOURS	COURSE FEES
<b>Fall Semester 1<sup>st</sup> Year</b>				
BIOL 201	Human Anatomy	4.0	6.0	\$ 40.00
CHSE 120	Medical Terminology	4.0	4.0	45.00
MATH 112, MATH 115, MATH 117, MATH 121, or higher	Required Math CORE Course	4.0	4.0	7.00
WRIT 121, WRIT 122, WRIT 131, or WRIT 132	Required Writing CORE Course	4.0	4.0	0.00
FALL TOTAL:		16.0	18.0	\$ 92.00
<b>Spring Semester 1<sup>st</sup> Year</b>				
BIOL 202	Human Physiology	4.0	5.0	\$ 40.00
CHSE 117	Health Law and Ethics	2.0	2.0	15.00
MGMT 234, SOCL 120, POLS 270, SOCL 260, or SPCH 280	Preferred/Recommended CORE Course	3.0/4.0	3.0/4.0	0.00
SPCH 110, SPCH 120, or SPCH 130	Required Communication CORE Course	3.0	3.0	0.00
SURG 103	Surgical Asepsis	2.0	2.0	50.00
SPRING TOTAL:		14.0/15.0	15.0/16.0	\$ 105.00
PREREQUISITE TOTAL:		30.0/31.0	33.0/34.0	\$ 197.00
<b>PROFESSIONAL TRACT</b>				
<b>Fall Semester 2<sup>nd</sup> Year *</b>				
SURG 100	Fundamentals of Surgical Technology	3.0	3.0	\$ 75.00
SURG 101	Surgical Patient	2.0	2.0	75.00
SURG 108	Surgical Pharmacology	2.0	2.0	60.00
SURG 109	Basic Operative Procedures	2.0	2.0	110.00
SURG 121	Applied Surgical Techniques I	2.0	4.0	310.00
SURG 122	Applied Surgical Techniques II	3.0	6.0	480.00
FALL TOTAL:		14.0	19.0	\$1,110.00
<b>Spring Semester 2<sup>nd</sup> Year</b>				
SURG 110	Advanced Operative Procedures	6.0	6.0	\$ 140.00
SURG 111	Surgical Specialty Components & Prof Prep	2.0	2.0	60.00
SURG 112	Surgical Clinical Compliance	1.0	1.0	40.00
SURG 123	Applied Surgical Techniques III	5.0	8.0	390.00
SURG 124	Applied Surgical Techniques IV	5.0	8.0	390.00
SPRING TOTAL:		19.0	25.0	\$ 1,020.00
PROFESSIONAL TRACT TOTAL		33.0	44.0	\$ 2,130.00
PROGRAM TOTAL:		63.0/64.0	77.0/78.0	\$ 2,327.00

- NOTE:**
1. BCLS Certification is required before entering clinical rotations
  2. It is highly recommended that students be familiar with computer terminology and have minimal computer training.

**\*Accepted into the program on the Professional Tract, toward completion of an Associate Degree in Applied Science/Surgical Technology.**

ADDITIONAL COSTS (APPROXIMATE)

Registration Fees (\$25/semester).....	\$ 100.00
Textbooks.....	\$ 800.00
Lab Kit (\$300/August) & Gold Package from AST (\$300/January).....	\$ 600.00