

Surgical Technology

Degrees:

AAS	Surgical Technology	60-65
Diploma	Surgical Technologist	45-59
Certificate	Surgical Technology Bridge Program	18

Description:

Surgical technologists are allied health professionals who are an integral part of the team of medical practitioners providing surgical care to patients in a variety of settings such as medical offices, out-patient clinics, and the operating room.

The surgical technologist works under medical supervision to facilitate the safe and effective conduct of invasive surgical procedures. This individual works under the supervision of a surgeon to ensure that the operating room environment is safe, that equipment functions properly, and that the operative procedure is conducted under conditions that maximize patient safety.

A surgical technologist possesses expertise in the theory and application of sterile and aseptic techniques and combines the knowledge of human anatomy, surgical procedures, and implementation tools and technologies to facilitate a physician's performance of invasive therapeutic and diagnostic procedures.

This program provides clinical experience built upon classroom instruction in the basic sciences, patient care, aseptic techniques and surgical procedures. Students enrolled in the Surgical Technology Program are required to achieve a minimum grade of "C" in each course required for the credential. Students who withdraw from or earn less than a "C" in any course with a Surgical Technology prefix will be dropped from the Surgical Technology program and must reapply for admission. CPR (for Healthcare Professionals) requirements must be successfully completed prior to enrolling in the first surgical technology course and must be kept current throughout the program.

Students who have completed program requirements must sit for the certifying examination offered by the National Board on Certification for Surgical Technology and Surgical Assisting (NBSTSA), 6 West Dry Creek Circle, Suite 100; Littleton, CO 80120; Phone: (800) 707 0057; www.nbstsa.org.

The following programs hold accreditation from the Commission on Accreditation of Allied Health Education Programs (CAAHEP) 1361 Park Street, Clearwater Florida 33756; (727) 210 2350; www.caahep.org who accredits programs upon the recommendation of the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA), 6 West Dry Creek Circle, Suite 110; Littleton, CO 80120; Phone: (303) 694 9262; www.arcst.org.: Ashland Community and Technical College Bluegrass Community and Technical College, Bowling Green Technical College, Hazard Community and Technical College, Jefferson Community and Technical College, Madisonville Community College, Maysville Community and Technical College, Owensboro Community and Technical College , Somerset Community College, Southeast Kentucky Community and Technical College, and West Kentucky Community and Technical College.

Implementation: Fall 2013

Competencies/Student Outcomes:

AAS in Surgical Technology:

General Education Competencies:

Students should prepare for the twenty-first century by gaining:

- A. Knowledge of human cultures and the physical and natural worlds
 - Through study in the sciences and mathematics, social sciences, humanities, histories, languages, and the arts
- B. Intellectual and practical skills, including
 - inquiry and analysis,

- critical and creative thinking,
- written and oral communication,
- quantitative literacy,
- information literacy,
- teamwork and problem solving

C. Personal and social responsibility, including

- civic knowledge and engagement (local and global),
- intercultural knowledge and competence,
- ethical reasoning and action,
- foundations and skills for lifelong learning.

D. Integrative and applied learning, including

- synthesis and advanced accomplishment across general and specialized skills

Surgical Technology Competencies

1. Demonstrate knowledge and practice of basic patient-care concepts;
2. Demonstrate the application of the principles of asepsis in a knowledgeable manner that provides for optimal patient care in the operating room;
3. Demonstrate basic surgical case preparation skills;
4. Demonstrate the ability to perform the role of first scrub on all basic surgical cases; and,
5. Demonstrate responsible behavior as a health care professional.

Diploma

Diplomas will address general education competencies according to general education courses taken.

Students should prepare for the twenty-first century by gaining:

A. Knowledge of human cultures and the physical and natural worlds

- Through study in the sciences and mathematics, social sciences, humanities, histories, languages, and the arts

B. Intellectual and practical skills, including

- inquiry and analysis,
- critical and creative thinking,
- written and oral communication,
- quantitative literacy,
- information literacy,
- teamwork and problem solving

C. Personal and social responsibility, including

- civic knowledge and engagement (local and global),
- intercultural knowledge and competence,
- ethical reasoning and action,
- foundations and skills for lifelong learning.

D. Integrative and applied learning, including

- synthesis and advanced accomplishment across general and specialized skills

Surgical Technologist Technical Competencies:

1. Demonstrate knowledge and practice of basic patient-care concepts;
2. Demonstrate the application of the principles of asepsis in a knowledgeable manner that provides for optimal patient care in the operating room;
3. Demonstrate basic surgical case preparation skills;
4. Demonstrate the ability to perform the role of first scrub on all basic surgical cases; and,
5. Demonstrate responsible behavior as a health care professional.

Certificates

Surgical Technology Bridge Program

Upon completion of the program, the graduate will:

1. Demonstrate knowledge and practice of basic patient-care concepts.
2. Demonstrate the application of the principles of asepsis in a knowledgeable manner that provides for optimal patient care in the operating room.
3. Demonstrate basic surgical case preparation skills.
4. Demonstrate the ability to perform the role of first scrub on all basic surgical cases.
5. Demonstrate responsible behavior as a health care professional.

Outlines:

Associate in Applied Science Surgical Technology

General Education:

BIO	137	Human Anatomy & Physiology I AND	4
BIO	139	Human Anatomy & Physiology II	4
MAT	110	Applied Mathematics OR	3
MAT	150	College Algebra OR	(3)
		Higher level Quantitative reasoning	(3)
ENG	101	Writing I	3
		Social/Behavioral Science	3
		Heritage/Humanities	3
		Subtotal	20

Technical Courses:

		Computer Literacy	0-3
CLA	131	Medical Terminology from Greek & Latin OR	3
AHS	115	Medical Terminology OR	(3)
MIT	103	Medical Office Terminology	(3)
SUR	100	Surgical Technology Fundamentals/Theory OR	12
SUR	109	Introduction to Surgical Technology AND	(3)
SUR	110	Surgical Technology Fundamentals	(9)
BIO	225	Medical Microbiology OR	4
BIO	226	Principles of Microbiology OR	(3)
BIO	227	Principles of Microbiology with Laboratory OR	(5)
BIO	118	Microbes in Society	(3)
SUR	101	Surgical Technology Fundamentals Lab	1
SUR	130	Principles of Surgical Pharmacology	2
SUR	200	Surgical Technology Advanced Theory	9
		A total of 10 credit hours must be completed from the following practicum courses:	
SUR	125	Surgical Technology Skills Practicum I	2-3
SUR	201	Surgical Technology Skills Practicum II	6-7
SUR	275	Surgical Technology Advanced Practicum	2
		Subtotal	40-45
		Total Credits	60-65

Electives:

SUR	103	Surgical Technology Didactic Practicum	(1)
SUR	270	Pathophysiology for Surgical Technology OR	(2)
MAI	200	Pathophysiology for Medical Assistants	(3)
BAS	120	Personal Finance	(3)
MNA	100	Medicaid Nurse Aide OR	(3)
NAA	100	Nursing Assistant Skills I	(3)

Note:

CPR certificate must be obtained prior to enrolling in the first Surgical Technology course and certification must be kept current throughout the Program

Computer literacy must be demonstrated either by competency exam or by completing a computer literacy course.

Diploma Surgical Technologist

General Education:

Area 1 =

ENG	101	Writing I	3
-----	-----	-----------	---

Area 2 =

BIO	135	Basic Anatomy & Physiology with Lab OR	4
BIO	137	Human Anatomy & Physiology I AND	(4)
BIO	139	Human Anatomy & Physiology II OR	(4)
Subtotal			7-11

Technical Courses:

		Computer Literacy course or demonstrated competency	0-3
CLA	131	Medical Terminology from Greek & Latin OR	3
AHS	115	Medical Terminology OR	(3)
MIT	103	Medical Office Terminology	(3)
SUR	109	Introduction to Surgical Technology AND	(3)
SUR	110	Surgical Technology Fundamentals OR	(9)
SUR	100	Surgical Technology Fundamentals/Theory AND	12
BIO	225	Medical Microbiology OR	4
BIO	226	Principles of Microbiology OR	(3)
BIO	227	Principles of Microbiology with Laboratory OR	(5)
BIO	118	Microbes in Society	(3)
SUR	101	Surgical Technology Fundamentals Lab	1
SUR	130	Principles of Surgical Pharmacology	2
SUR	200	Surgical Technology Advanced Theory	9
WPP	200	Workplace Principles OR	3
BAS	250	Business Employability Seminar	(1)

A total of 10 credit hours must be completed from the following practicum courses:

SUR	125	Surgical Technology Skills Practicum I	2 -3
SUR	201	Surgical Technology Skills Practicum II	6 -7
SUR	275	Surgical Technology Advanced Clinical Practicum OR	2
Subtotal			38-48
Total Credits			45-59

Elective(s):

SUR	103	Surgical Technology Didactic Practicum	(1)
SUR	270	Pathophysiology for the Surgical Technologist OR	(2)
MAI	200	Pathophysiology for the Medical Assistant	(3)
EFM	100	Personal Financial Management OR	(3)
BAS	120	Personal Finance	(3)
MNA	100	Medicaid Nurse Aide	(3)
NAA	100	Nursing Assistant Skills I	(3)

Note:

CPR certificate must be obtained prior to enrolling in the first Surgical Technology course and certification must be kept current throughout the Program.

Computer literacy must be demonstrated either by competency exam or by completing a computer literacy course.

Students successfully completing SUR 109 and SUR 110 are not required to take a microbiology course for the diploma option.

Certificates

Surgical Technology Bridge Program

STN	100	Surgical Technology Fundamentals for Nurses	7
STN	101	Surgical Technology Lab for Nurses	1
STN	102	Surgical Technology Clinical for Nurses	6
STN	110	Surgical Technology Procedures for Nursing	4
		Total Credit Hours	18

Dates of Actions:

Approved:

Revised: 1999, 2003, December 2006, May 2008, March 2012, April 2013