

BLUEGRASS COMMUNITY AND TECHNICAL COLLEGE

Surgical Technology Associate in Applied Science

Academic Plan Code – 5109094009

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.

Programs are accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) and graduates are eligible to take the certifying examination offered by the National Board on Certification for Surgical Technology and Surgical Assisting (NBSTSA).

Course Number	Course Title	Credit Hours
General Education Core		
ENG 101	Writing I	3
BIO 137	Human Anatomy & Physiology I AND	4
BIO 139	Human Anatomy & Physiology II	4
MAH 155 or MT 110	Applied Mathematics OR	3
MA 109 or MT 150	College Algebra	(3)
CIS 100	Intro to Computers OR	3
CIT 105	Introduction to Computing	(3)
OST 105	Introduction to Information Systems	(3)
	Social Interaction (KCTCS/BCTC Catalog)	3
	Heritage/Humanities (KCTCS/BCTC Catalog)	3
	Subtotal Credit Hours	20 - 23

(Courses are listed by category and not necessarily in the order to be taken)

Technical Core or Support Courses		
CLA 131	Medical Terminology from Greek & Latin OR	3
AHS 115	Medical Terminology OR	(3)
OST 103	Medical Office Terminology	(3)
BIO 225	Medical Microbiology (BSL 214) OR	4
BIO 227	Principles of Microbiology with Laboratory (BIO 226 & BIO 209) OR	(5)
BIO 118	Microbes in Society	(3)
SUR 100	Surgical Technology Fundamentals/Theory	12
SUR 101	Surgical Technology Fundamentals Lab	1
SUR 125	Surgical Technology Skills Practicum I	2
SUR 130	Principles of Surgical Pharmacology	2
SUR 200	Surgical Technology Advanced Theory	9
SUR 201	Surgical Technology Skills Practicum II	6
SUR 275	Surgical Technology Advanced Clinical Practicum	2
	Subtotal Credit Hours	43 -45
	Total Credit Hours	60 – 68
	Recommended Electives	0-10
SUR 103	Surgical Technology Didactic Practicum	(1)
MAI 200	Pathophysiology for Medical Assistants	(3)
BA 120	Personal Finance	(3)
MNA 100	Medicaid Nurse Aide	(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.

*Transfer student from outside BCTC must have an advising appointment (Please call 246-6615) with Surgical Technology Program Director, Kevin R. Craycraft

Surgical Technology Diploma

Academic Plan Code – 5109094019

Course Number	Course Title	Credit Hours
General Education Core (6-9 hours) in Areas 1-3		
AREA 1	Writing/Accessing Information, Oral Communications, Humanities, Heritage, or Foreign Language	
TEC 200	Technical Communications OR	3
ENG 101	Writing I	(3)

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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)
BIO 130	Aspects of Human Biology	(3)
AREA 3	Computer literacy course or demonstrated by competency exam (IC3)	(0-3)
CIS 100	Intro to Computers OR	3
CIT 105	Introduction to Computing	(3)
OST 105	Introduction to Information Systems	(3)
	Subtotal Credit Hours	6-14
Technical Core or Support Courses		
CLA 131	Medical Terminology from Greek & Latin OR	3
AHS 115	Medical Terminology OR	(3)
OST 103	Medical Office Terminology	(3)
BIO 225	Medical Microbiology (BSL 214) OR	4
BIO 227	Principles of Microbiology with Laboratory (BIO 226 & BIO 209) OR	(5)
BIO 118	Microbes in Society	(3)
WPP 200	Workplace Principles OR	3
BA 250	Business Employability Seminar	(1)
SUR 100	Surgical Technology Fundamentals/Theory	12
SUR 101	Surgical Technology Fundamentals Lab	1
SUR 125	Surgical Technology Skills Practicum I	2
SUR 130	Principles of Surgical Pharmacology	2
SUR 200	Surgical Technology Advanced Theory	9
SUR 201	Surgical Technology Skills Practicum II	6
SUR 275	Surgical Technology Advanced Clinical Practicum	2
	Subtotal Credit Hours	41-45
	Total Credit Hours	47 – 59
Recommended Electives		0 – 10
SUR 103	Surgical Technology Didactic Practicum	(1)
MAI 200	Pathophysiology for Medical Assistants	(3)
BA 120	Personal Finance OR	(3)
EFM 100	Personal Financial Management	(3)
MNA 100	Medicaid Nurse Aide	(3)

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