

SURGICAL TECHNOLOGY

Surgical technology is a health science discipline in which the practitioner is specifically educated to be a member of the surgical team. The surgical technologist works under the supervision of a surgeon to ensure the operating room environment is safe, all equipment functions properly, and 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 technique. As a respected and highly skilled member of the surgical team, this individual utilizes knowledge of human anatomy and physiology, microbiology, pharmacology, surgical procedures and instrumentation to facilitate surgically performed invasive and diagnostic procedures. Students of the Surgical Technology program are required to take the national certified surgical technology examination provided by the National Board for Surgical Technology and Surgical Assisting prior to graduation.

Program Description

The Surgical Technology program provides the student with classroom theory and supervised clinical and laboratory experience. Classroom instruction includes medical ethics, terminology, communication skills, anatomy, pathophysiology, microbiology and pharmacology. During the two-year program, students gain knowledge related to the principles of client care, asepsis and surgical procedures. In addition, the clinical practice component allows the student to build the skills and understanding necessary to become an integral member of the surgical team. Upon completion of the program, the surgical technology graduate is ready to assume entry-level responsibilities in a variety of surgical settings.

Class size is limited in order to provide the learner with individualized attention in a wide variety of surgical specialties. The student participates in surgical procedures that may include obstetrics and gynecology, genitourinary surgery, general surgery, plastic and reconstructive surgery, otorhinolaryngology, ophthalmology, orthopedics, neurosurgery, peripheral vascular surgery, endoscopy and cardiothoracic surgery in the acute care setting.

Students in the Surgical Technology program earn an Associate in Applied Science degree. Prospective students who already hold an associate or baccalaureate degree and meet the program entry requirements may opt to complete the academic certificate program.

Mission

The mission of the Surgical Technology program is to provide quality didactic and clinical education in the cognitive, affective and psychomotor domains to a diverse student population and to provide well-educated, competent, entry-level technologists to the community.

Learning Goals and Objectives

Goal 1: Function as a competent entry-level surgical technologist in the cognitive (knowledge), psychomotor (skills) and affective (behavior) learning domains.

Goal 2: Apply principles of liberal arts and sciences to the care of the perioperative client.

Goal 3: Prepare the intraoperative environment with attention to quality and cost effectiveness.

Goal 4: Respect the ethical, legal, moral and cultural issues that impact the care of the perioperative client.

Goal 5: Formulate a plan for personal and professional growth.

Goal 6: Demonstrate a commitment to lifelong knowledge and skill enhancement.

Goal 7: Utilize effective communication skills and interactions with patients, members of the surgical team and other health care practitioners.

Goal 8: Function as an integral member of the surgical team by performing perioperative technical skills in a safe, efficient and cost-effective manner.

Associate Requirements

Code	Title	Hours
General Education		
ENG 101	Craft of Language	3
BIO 175	A&P for Nursing & Allied Health	4
BIO 175L	A&P Nursing & Allied Health Lab	0
BIO 176	A&P Nursing & Allied Health II	4
BIO 176L	A&P Nursing & Allied Hlth II Lab	0
MAT 109	Quantitative Reasoning & Skill	3
CSS 101	College Studies Seminar	3
HSC 390	Medical Terminology	1
BIO 185	Microbio Nursing & Allied Health	3
BIO 185L	Microbio Nursing & Allied Lab	0
PSY 100	Introductory Psychology	3
INT 103	Methods of Patient Care	1
PHL 490	Ethical & Legal Dimen Hlth Sci	1
	Free Elective	3
SOC 101	Intro to Sociology	3
	or SOC 270 Special Topics	
Surgical Technology		
SUR 100	Perioperative Services	2
SUR 102	Perioperative Pharmacology	2
SUR 103	Surgical Armamentarium	2
SUR 110	Intraoperative Patient Care	4
SUR 115	Perioperative Srvc's Lab	3
SUR 215 & 215C	Perioperative Serv Clncl I and Perioperative Srvc's Clin	4
SUR 230	Surgical Proc & Patho I	4
SUR 212	Professionalism	1
SUR 225	Perioperative Services Clin II	6
SUR 240	Surgical Proc & Patho II	4
SUR 299	Certification Exam Review	1
Total Hours		65

Certificate Requirements

Students already holding an associate or baccalaureate degree, or who will have met the baccalaureate degree requirements from their primary

educational program upon completion of the certificate program, may apply for the 18-month academic certificate program on a space available basis.

Code	Title	Hours
BIO 175	A&P for Nursing & Allied Health	4
BIO 175L	A&P Nursing & Allied Health Lab	0
HSC 390	Medical Terminology	1
INT 103	Methods of Patient Care	1
BIO 176	A&P Nursing & Allied Health II	4
SUR 100	Perioperative Services	2
BIO 176L	A&P Nursing & Allied Hlth II Lab	0
PHL 490	Ethical & Legal Dimen Hlth Sci	1
BIO 185	Microbio Nursing & Allied Health	3
BIO 185L	Microbio Nursing & Allied Lab	0
SUR 102	Perioperative Pharmacology	2
SUR 103	Surgical Armamentarium	2
SUR 110	Intraoperative Patient Care	4
SUR 115	Perioperative Srvcs Lab	3
SUR 215 & 215C	Perioperative Serv Clncl I and Perioperative Srvcs Cln	4
SUR 230	Surgical Proc & Patho I	4
SUR 212	Professionalism	1
SUR 225	Perioperative Services Clin II	6
SUR 240	Surgical Proc & Patho II	4
SUR 299	Certification Exam Review	1
Total Hours		47

Typical Course Sequence

Course	Title	Hours
First Year		
Fall		
Associate Degree Only		
BIO 175 & 175L	A&P for Nursing & Allied Health and A&P Nursing & Allied Health Lab	4
CSS 101	College Studies Seminar	3
ENG 101	Craft of Language	3
Sociology Elective		3
INT 103	Methods of Patient Care	1
MAT 109	Quantitative Reasoning & Skill	3
Hours		17
Spring		
Associate Degree Only		
BIO 176 & 176L	A&P Nursing & Allied Health II and A&P Nursing & Allied Hlth II Lab	4
SUR 100	Perioperative Services	2
SUR 115	Perioperative Srvcs Lab	3
SUR 102	Perioperative Pharmacology	2
SUR 103	Surgical Armamentarium	2
Elective		3
Hours		16
Second Year		
Fall		
Associate Degree and Certificate Program		
BIO 185	Microbio Nursing & Allied Health	3
SUR 110	Intraoperative Patient Care	4
HSC 390	Medical Terminology	1
SUR 230	Surgical Proc & Patho I	4

SUR 215	Perioperative Serv Clncl I	4
SUR 212	Professionalism	1
Hours		17
Spring		
Associate Degree and Certificate Program		
PSY 100	Introductory Psychology	3
PHL 490	Ethical & Legal Dimen Hlth Sci	1
SUR 240	Surgical Proc & Patho II	4
SUR 299	Certification Exam Review	1
SUR 225	Perioperative Services Clin II	6
Hours		15
Total Hours		65