

SURGICAL TECHNOLOGY

ASSOCIATE OF SCIENCE

Quarter Credit Hours Required = 96



The Associate of Science degree in Surgical Technology is designed to prepare competent, entry-level surgical technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains for career opportunities in the surgical field and includes a general education component which complements the comprehensive skills-based specialty training. Virginia College in Birmingham has a maximum enrollment capacity of 60 students per year. Students start two times per year (January and June) with 30 students enrolled per start. The Surgical Technologist works closely with the surgeon, anesthesiologist, nurse anesthetist, and registered nurse to deliver integral patient care before, during, and after surgery. Emphasis is placed on the proper application of sterile surgical techniques and modern operating room technology to provide optimum patient care. Classroom theory and laboratory hands-on training is supplemented with clinical and externship experiences to make for a comprehensive curriculum of study. In order to meet requirements for the National Board for Surgical Technology and Surgical Assisting (NBSTSA) certification, students must, during externship, serve as “first scrub solo” or “first scrub with assist” in 140 cases as outlined in Surgical Technology for the Surgical Technologist, 5th Edition.

Upon successful completion of this program, students should be able to

- exhibit practical proficiency in the surgical arena with an understanding of the basic procedures involved with surgical operations;
- describe the essential working aspects of a successful Surgical Technologist;
- demonstrate the ability to perform in a healthcare environment meeting OSHA specifications;
- recognize the importance of confidentiality when dealing with surgical patients;
- analyze the departure from classroom theory to on-the-job training in the operating room;
- develop effective communication and decision-making skills for successful performance in the surgical environment;
- integrate knowledge of personal and medical ethics into the surgical arena;
- develop a familiarity with commonly used surgical instruments;
- establish and maintain high standards of aseptic technique;
- analyze and adapt to the ever-changing operating room environment;
- function in the healthcare arena by providing clinical and administrative skills in a surgical setting; and
- coordinate a successful job search.

FOUNDATION:

	Quarter Credit Hours
EDU 1010 Learning Framework	4
EDU 1020 Career Exploration/Planning	4
Total Minimum Required Foundation Credits.....	8

AREA OF CONCENTRATION:

BIO 1120 Anatomy and Physiology: Body Structures.....	4
BIO 1130 Anatomy and Physiology: Organs and Systems.....	4
MED 1010 Medical Terminology.....	4
MED 1140 Medical Law and Ethics	4
MED 1210 Pathophysiology	4
SUR 1010 Aseptic Technique	4
SUR 1050 Patient Care for the Surgical Technologist	4
SUR 1500 Introduction to the Surgical Environment.....	4
SUR 1900 Microbiology for the Surgical Technologist.....	4
SUR 1960 Surgical Instrumentation and Equipment.....	4
SUR 2070 General and Specialized Surgical Procedures	4
SUR 2160 Specialty and Reconstructive Surgical Procedures	4
SUR 2170 Orthopaedic, Neurological, and Vascular Surgical Procedures.....	4
SUR 2190 Pharmacology for the Surgical Technologist	4
SUR 2600 Surgical Technologist Externship	8
Total Minimum Required Area of Concentration Credits.....	64

GENERAL EDUCATION:

These courses are to be selected in consultation with the Program Director so as to effectuate a balanced educational program. Select a total (minimum) of 24 credit hours as indicated below:

Communications.....	12
Humanities and Fine Arts	4
Mathematics.....	4
Social and Behavioral Sciences.....	4
Total Minimum Required General Education Credits.....	24

TOTAL MINIMUM QUARTER CREDIT HOURS REQUIRED..... 96