

SURGICAL TECHNOLOGY (ST)

ST 104. Pharmacology for Surgical Technologists. 2 Credit Hours.

The course is designed to provide the student with learning opportunities which will enable him to apply scientific principles of the biologic science of pharmacology. Emphasis is placed on the relationship of drugs to the surgical patient.

Prerequisites: Must be enrolled in Surgical Technology program and Reading Proficiency

ST 105. Fundamentals of Surgical Technology. 4 Credit Hours.

This course provides the student with skills necessary to function as a surgical technologist. Laboratory experience is focused so the student will achieve a satisfactory level of performance in gowning and gloving, surgical scrub, establishing and maintaining asepsis, draping, instrumentation, and proper care of the surgical patient. Students learn to work with and care for surgical equipment and supplies in both scrub and circulating roles. Students spend five hours per week at clinical site. Course will correlate with ST 101 so student may apply principles of theory and practicum. 155 lab/clinical hours. 64 open lab hours.

Prerequisites: Must be enrolled in the Surgical Technology program and Reading Proficiency

Corequisites: ST 108 to be taken concurrently with ST 105

ST 108. Introduction to Surgical Technology. 6 Credit Hours.

This course will introduce the student to the field of surgical technology. Topics will include principles of aseptic technique and patient care in the operating room. Responsibilities and functions of the surgical technologists in the pre, intra-, and post operative phases will be discussed.

Prerequisites: Must be enrolled in the Surgical Technology program and Reading Proficiency

Corequisites: ST 105

ST 109. Principles of Operating Room Communication. 2 Credit Hours.

This course will address the modes of communication in the operating room, specifically focusing on medical/surgical terminology and computer technology utilization.

Prerequisites: Must be enrolled in Surgical Technology program and Reading Proficiency

Corequisites: ST 108

ST 110. Surgical Procedures I. 4 Credit Hours.

This course will introduce the surgical technology student to the principles of surgical intervention and patient care considerations in multiple specialty areas. Pathophysiology, diagnostics, prognosis and complications of procedures will be addressed.

Prerequisites: ST 108 and must be enrolled in the Surgical Technology program and Reading Proficiency

Corequisites: ST 111

ST 111. Surgical Technology Clinical I. 8 Credit Hours.

This course involves application of surgical technology principles in the hospital setting. Additional hours required.

Prerequisites: ST 108, ST 105 and Reading Proficiency

Corequisites: ST 110

ST 120. Principles of Surgical Technology. 3 Credit Hours.

Principles of Surgical Technology is an introduction to the field of surgical technology. Concepts related to the professional healthcare environment, patient care, basic instrumentation and communication skills will be discussed.

Prerequisites: Current enrollment in the Surgical Technology Program or permission of the program director and Reading Proficiency

Corequisites: ST 122

ST 122. Medical/Surgical Terminology. 3 Credit Hours.

Medical/Surgical Terminology addresses the medical language used in the operating room environment. Emphasis is placed on medical terms related to general and surgical medicine including disease processes, diagnostics, surgical procedures, treatment modalities and abbreviations. The formation, definition and pronunciation of medical terms will be discussed.

Prerequisites: Current enrollment in the Surgical Technology Program or permissions of program director, and Reading Proficiency

Corequisites: ST 120

ST 124. Clinical Foundations. 3 Credit Hours.

Clinical Foundations is a laboratory course which provides an introduction to the practical aspects of case management responsibilities for the surgical technologist in the scrub role. Topics covered will include basic case set-ups, gowning and gloving, instrumentation, maintenance of sterile technique, and sequence of surgical procedural tasks. Additional lab hours required.

Prerequisites: ST 120, ST 122 with minimum grades of "C", BIO 207 with a minimum grade of "C" or permission of program director, and Reading Proficiency

Corequisites: ST 128

ST 126. Surgical Equipment and Technological Concepts. 2 Credit Hours.

Surgical Equipment and Technological Concepts provides the learner with technological information on the utilization and care of surgical equipment and instrumentation. Environmental disinfection and sterilization techniques will be addressed.

Prerequisites: Current enrollment in the Surgical Technology Program, ST 120, ST 122 and BIO 203 all with minimum grades of "C", and Reading Proficiency

ST 128. Perioperative Case Management. 3 Credit Hours.

Perioperative Case Management will cover preoperative, intraoperative and postoperative case management information for the surgical technologist. Sterile technique, procedural responsibilities, environmental controls and patient care issues will be addressed.

Prerequisites: ST 120 and ST 122, both with minimum grades of "C" and Reading Proficiency

Corequisites: ST 124, ST 126

ST 210. Surgical Procedures II. 2 Credit Hours.

This course is a continuation of Surgical Procedures I. Surgical procedures in advanced specialty areas will be introduced to the student. Content will include related pathophysiology, diagnostics, prognosis and complications.

Prerequisites: ST 110 and must be enrolled in the Surgical Technology program and Reading Proficiency

Corequisites: ST 211

ST 211. Surgical Technology Clinical II. 4 Credit Hours.

This course involves advanced application of surgical technology principles in the hospital setting. Additional hours required.

Prerequisites: ST 110, ST 111 and Reading Proficiency

Corequisites: ST 210

ST 215. Surgical Pharmacology. 2 Credit Hours.

Surgical Pharmacology is designed to introduce the student to the use, preparation and handling of medications in the surgical environment. Related terminology, common dosages, and principles of anesthesia administration will be covered.

Prerequisites: Current enrollment in the Surgical Technology Program, ST 120 with a minimum grade of "C", and Reading Proficiency

ST 220. Procedures I. 3 Credit Hours.

Procedures I introduces the principles of surgical intervention and patient care considerations in multiple specialty areas. Anatomy, pathophysiology, diagnostics, prognosis and complications of procedures will be addressed. Reading Proficiency.

Prerequisites: ST 124, ST 126, ST 128, ST 215, BIO 208, all with minimum grades of "C"

Corequisites: ST 224

ST 224. Clinical Practice I. 6 Credit Hours.

Clinical Practice I involves application of surgical technology principles in the laboratory and hospital setting. Laboratory practice will involve instruction of advanced techniques in preparation for clinical experience. Students will gain experience by performing learned clinical skills in a hospital surgical department. Additional hours required.

Prerequisites: Reading Proficiency

Corequisites: ST 220, ST 228

ST 228. Clinical Seminar. 1 Credit Hour.

Clinical Seminar will provide discussion of student issues encountered in clinical practice. Students will provide critical analysis of procedural experiences in clinical case presentations.

Prerequisites: Reading Proficiency

Corequisites: ST 224

ST 230. Procedures II. 3 Credit Hours.

Procedures, a continuation of Procedures I, covers principles of surgical intervention and patient care considerations in advanced surgical specialty areas. Anatomy, pathophysiology, diagnostics, prognosis and complications of surgical procedures will be addressed.

Prerequisites: ST 220, ST 224 with minimum grades of "C" and Reading Proficiency

Corequisites: ST 234, ST 238

ST 234. Clinical Practice II. 6 Credit Hours.

Clinical Practice II is a continuation of Clinical Practice I. Students will further develop and refine their clinical skills by performing duties in the surgical technologist role in the hospital setting. Additional hours required.

Prerequisites: ST 228 with a minimum grade of "C" and Reading Proficiency

Corequisites: ST 230

ST 238. Professional Issues. 2 Credit Hours.

Professional Issues will provide discussion on topics pertaining to professional skills benefitting the entry-level surgical technologist. Resume building, interview techniques, and career opportunities will be explored. Testing methodologies, strategies and simulated testing experiences for the Certified Surgical Technologist National Board Examination will be covered.

Prerequisites: ST 220 and ST 224 with minimum grades of "C" and Reading Proficiency