

SURGICAL TECHNOLOGY (ST)

ST 98 Advanced Clinical Review

6 Lab Hours, 3 Quarter Credit Hours

This course is a mandatory course for students who have had a disruption of continuity between the clinical experiences and the ST Lab courses. It is designed to strengthen and reinforce the advanced lab skills necessary for entry-level placement. The review is an advanced preparatory course. Students are given the opportunity to work as a team in performing mock surgeries. This course is offered on a pass/fail basis.

ST 99 Clinical Review

6 Lab Hours, 3 Quarter Credit Hours

This course is a mandatory course for students who have had a disruption of continuity between the clinical experiences and/or the ST Lab courses. It is designed to strengthen and reinforce the lab skills necessary for entry-level clinical placement. The review is a clinical preparatory course. This course is offered on a pass/fail basis.

ST 101 Introduction to Surgical Technology

2 Class Hours, 2 Lab Hours, 3 Quarter Credit Hours

An introduction to surgical technology, selected aspects of the roles of the perioperative team, types of hospitals, and insurances will be presented. Principles of aseptic technique, standard precautions, and surgical positions are presented in class and simulated laboratory experience. Perioperative routines including understanding a health history, risk factors, informed consent, patients' rights, physical diagnosis skills, and scrubbing, gowning, and gloving are topics covered.

ST 120 Surgical Instrumentation

1 Class Hours, 2 Lab Hours, 2 Quarter Credit Hours

Prerequisites: (AHS 102) and (MGM 103) and BIO 100 and BIO 101 and ST 101

The care and handling of surgical instrumentation, instrument classification and recognition will be presented. The various types of sterilization methods as well as the proper manner to prepare surgical instruments for decontamination and sterilization will be included. Lab skills will include how to properly load and unload a knife handle, how to pass instruments correctly, and how to wrap instruments for sterilization.

ST 130 Surgical Procedures I

4 Class Hours, 4 Quarter Credit Hours

Prerequisites: ST 120 and BIO 100 and BIO 101 and BIO 120 and BIO 121 and BIO 122

Fundamentals of surgical patient care essential to the work in the surgical suite are presented in class. Selected topics included are wound healing, environmental design and safety, biohazards, care of specimens, preparing and functioning in a sterile field, needle and suture classification, draping, legal responsibilities, and skill acquisition in gowning and gloving. Roles of team members in the operating room are highlighted.

ST 131 Surgical Procedures I Lab

6 Lab Hours, 3 Quarter Credit Hours

Prerequisites: ST 120 and BIO 100 and BIO 101 and BIO 120 and BIO 121 and BIO 122

Students practice topics covered in ST 130. Skill acquisition and instrument handling are stressed. The on-campus laboratory is open to students for additional practice.

ST 200 Surgical Procedures II

4 Class Hours, 4 Quarter Credit Hours

Prerequisites: ST 101 and MGM 103 and ST 120 and BIO 122 and ST 130 and ST 131 and BIO 130 and BIO 131 and EN 110 and (MA 109) and BIO 100 and BIO 101 and BIO 120 and BIO 121 and SS 274 and AHS 102
The knowledge, skills, and professional behavior of a surgical technologist are developed in this course. It describes common health problems requiring surgical intervention, surgical procedures, interoperative complications, instrumentation supplies, and aseptic and special techniques. Surgery of the abdomen, genitourinary, operative obstetrics, gynecological surgery, cancer (breast) surgery, orthopedic surgery, and interoperative medications are some of the topics presented.

ST 201 Surgical Procedures II Lab

6 Lab Hours, 3 Quarter Credit Hours

Prerequisites: ST 101 and MGM 103 and ST 120 and BIO 122 and ST 130 and ST 131 and BIO 130 and BIO 131 and EN 110 and (MA 109) and BIO 100 and BIO 101 and BIO 120 and BIO 121 and SS 271 and AHS 102
Laboratory practice of topics presented in ST 200 Surgical Procedures II leading to skill acquisition.

ST 203 Professional Communication Skills

1 Class Hours, 1 Quarter Credit Hours

Prerequisites: ST 101 and MGM 103 and ST 120 and BIO 122 and ST 130 and ST 131 and ST 201 and BIO 130 and BIO 131 and EN 110 and (MA 109) and BIO 100 and BIO 101 and BIO 120 and BIO 121 and SS 274 and AHS 102

Corequisites: ST 204

The course will cover topics in conflict resolution, teamwork, and group dynamics. Clinical topics will also be discussed.

ST 204 Operating Room Laboratory I

12 Lab Hours, 4 Quarter Credit Hours

Prerequisites: ST 101 and MGM 103 and ST 120 and BIO 122 and ST 130 and ST 131 and ST 201 and BIO 130 and BIO 131 and EN 110 and (MA 109) and BIO 100 and BIO 101 and AHS 102 and BIO 120 and BIO 121 and SS 274

Corequisites: ST 203

Practicum is a pre-arranged scheduled experience in the operating room for student surgical technologists. It provides students with the actual experience in the following areas: teamwork, flexibility, organization, economy of time, and motion and materials. The preparation of all supplies and equipment used for surgical procedures in the operating room is also included.

ST 205 Advanced Topics in Surgical Technology

1 Class Hours, 1 Quarter Credit Hours

Prerequisites: ST 200

This course includes basic terms and principles of computers, electricity, physics, disaster planning, and robotics as they relate to safe patient care practices in the surgical environment.

ST 220 Surgical Procedures III

4 Class Hours, 4 Quarter Credit Hours

Prerequisites: ST 200

This course is a continuation of ST 200. Students have further study in common health problems and surgical specialties such as, thoracic, vascular, reconstructive, plastic, eye, and others. Clinical experience in the operating room provides an opportunity to develop skill in the full spectrum of the work. An overview of the roles of first and second scrub, first assistant, circulator, and the overall work of the surgical service is included.

ST 222 Operating Room Laboratory II

24 Lab Hours, 8 Quarter Credit Hours

Prerequisites: ST 200 and ST 203 and ST 204 and AHS 201

Corequisites: ST 223

A pre-arranged, scheduled experience in the operating room for student surgical technologists. It provides students with actual experience in teamwork, flexibility, organization; economy in time, motion and materials; and preparation of supplies and equipment used in the operating room. Students will experience scrubbing first and second scrub roles on surgical procedures under the supervision of operating room personnel or instructor.

ST 223 Surgical Seminar I

1 Class Hours, 1 Quarter Credit Hours

Prerequisites: ST 200 and ST 203

Corequisites: ST 222

Current topics in surgery will be presented. In addition, students will combine their surgical technology theory with their clinical experience through various methods of instruction.

ST 230 Operating Room Laboratory III

12 Lab Hours, 4 Quarter Credit Hours

Prerequisites: ST 205 and ST 220 and ST 222 and ST 223 and ST 201

Corequisites: ST 233

Students gain clinical experience in affiliated hospital operating rooms during various surgical procedures. Scrub skills during these various procedures are the focus of this experience. Previously learned concepts and procedures are applied daily during operative procedures.

ST 232 Advanced Applications of Surgical Technology

6 Class Hours, 6 Quarter Credit Hours

Prerequisites: ST 205 and ST 220 and ST 222 and ST 223 and ST 201

This course is the culmination of the surgical technology program of study. Knowledge from all core ST courses is integrated for a total application of principles acquired in the technology. Fast-breaking developments in the field will be approached as well as review of fundamental axioms. Only students who have completed Terms I through V may enroll.

ST 233 Surgical Seminar II

2 Class Hours, 2 Quarter Credit Hours

Prerequisites: ST 205 and ST 220 and ST 222 and ST 223 and ST 201

Corequisites: ST 230

This is a continuation of ST 223. Students will be required to do a research paper on a surgically-related topic. A more in-depth look at the surgical procedures that students are performing in the field will be discussed.