

# ST - SURGICAL TECHNOLOGY

## ST101 Surgical Technology Theory I

Credits 4

Fall

**Registration Requirement:** Acceptance into the Surgical Technology program; health and safety requirements, including immunizations, must be met.

Students are introduced to the field of surgical technology. The course is designed to provide an orientation to healthcare facility organization and to the physical environment, with focus on surgical areas. Practice concepts and issues, including professional management, self-management and standards of conduct are introduced and explored. Ethical and legal issues relevant to the surgical technologist are identified and discussed. Additional content includes communication in the surgical environment, patient care concepts, patient confidentiality and privacy under HIPAA, infection control, principles of asepsis, environmental safety and introduction to surgical routines in the preoperative phase in preparation for surgical procedures.

## ST102 Surgical Technology Theory II

Credits 4

Winter

**Registration Requirement:** ST101 with a grade of "C" or better. Concurrent enrollment in ST103 and ST111; health and safety requirements must be met.

The focus of this course is on surgical instrumentation: manufacture, classification, identification, care and handling, processing, storage and distribution. Content includes sterilization and disinfection standards and techniques, sterilization monitoring, instrument cleaning, decontamination and inspection, sterile packaging standards and techniques, storage and distribution. Additional content includes central sterile processing and distribution department organization and routines, and environmental disinfection and sanitation standards and practices in the surgical setting.

## ST103 Surgical Technology Theory III

Credits 4

Winter

**Registration Requirement:** ST101 with a grade of "C" or better. Concurrent enrollment in ST102 and ST111; health and safety requirements must be met.

The focus of this course is on perioperative case management during the preoperative and intraoperative phases. Content includes preparation of the patient including patient positioning, transfer and surgical site prep; preparation of the sterile field; principles and techniques of hemostasis; specimen care; principles of wound healing, including selection and handling of suture, drains and dressings; prevention of retained surgical items and All - Hazards preparation.

## ST104 Surgical Technology IV

Credits 4

Spring

**Registration Requirement:** ST102 and ST103 with a grade "C" or better. Concurrent enrollment in ST112; health and safety requirements must be met.

This course introduces students to technology and equipment in the surgical setting, including principles and applications for endoscopic, lasers, electrosurgery, ultrasonic, robotics and image guided surgery. Other specialty and accessory equipment is introduced and discussed. Selected general and gynecologic procedures are introduced. Additional content includes pharmacology and anesthesia for the surgical technologist, post-anesthesia care, emergency patient procedures and death and dying.

## ST111 Surgical Technology Lab I

Credits 2

Winter

**Registration Requirement:** ST101 with a grade of "C" or better. Concurrent enrollment in ST102 and ST103; health and safety requirements must be met.

This laboratory course is designed to correlate with ST102 and ST103. Students have the opportunity to practice and demonstrate cognitive, psychomotor and affective competencies relevant to the role of the surgical technologist in the surgical practice setting. Emphasis is placed on the principles of aseptic and sterile technique and their application for safe patient care practices. Professional behaviors are expected and evaluated.

**Additional Course Fee:** \$198.00

## ST112 Surgical Technology Lab II

Credits 2

Spring

**Registration Requirement:** ST102, ST103 and ST111, each with a grade of "C" or better. Concurrent enrollment in ST104; health and safety requirements must be met.

This laboratory course is designed to correlate with ST104. Students have the opportunity to practice and demonstrate cognitive, psychomotor and affective competencies relevant to the role of the surgical technologist in the surgical practice setting. Emphasis is placed on the principles of aseptic and sterile technique and their application on safe patient care practices. Professional behaviors are expected and evaluated.

**Additional Course Fee:** \$198.00

## ST155 Surgical Technology Lab for Clinical Readiness

Credits 0

Summer

**Registration Requirement:** ST111 and ST112

Each student will attend a six-hour lab session in preparation for surgical tech clinical practicum in 4th term. The lab will include practice of skill sets and mock surgery procedures. Students will be expected to review skill rubrics from ST111 and ST112 before coming to lab. Students will prepare a list of any specific skills or objectives they need to work on. Lab requirements including proper scrub attire and professional behaviors will apply (see ST111 and ST112).

**Additional Course Fee:** \$198.00

**ST204 Surgical Technology - General and Pediatric Surgery**

Credits 4

Fall

**Registration Requirement:** A grade of "C" or better in all previous Surgical Technology program curriculum and BI231, BI232, BI233, AH110, CIS120 and CIS120L. Concurrent enrollment in ST221. Health and safety requirements must be met.

This course provides orientation to general surgery procedures for the adult and pediatric patient, with related surgical anatomy, physiology, pathophysiology and specialty instrumentation, equipment and technologies. Special considerations for care of the pediatric patient undergoing surgical procedures are discussed. Special populations and relevant ethical and legal issues are discussed. Roles and responsibilities of the surgical technologist are emphasized.

**ST205 Surgical Technology - Obstetric, Gynecologic and Genitourinary Surgery**

Credits 4

Fall

**Registration Requirement:** A grade of "C" or better in all previous Surgical Technology program curriculum and BI231, BI232, BI233, AH110, CIS120 and CIS120L. Concurrent enrollment in ST221; health and safety requirements must be met.

This course provides orientation to gynecologic, obstetric and genitourinary surgery for the adult and pediatric patient, with related surgical anatomy, physiology, pathophysiology and specialty instrumentation, equipment and technologies. Special populations and relevant ethical and legal issues are discussed. Roles and responsibilities of the surgical technologist are emphasized.

**ST206 Surgical Technology - Orthopedic Surgery**

Credits 4

Winter

**Registration Requirement:** A grade of "C" or better in all previous Surgical Technology program curriculum and BI231, BI232, BI233, AH110, CIS120 and CIS120L. Concurrent enrollment in ST222; health and safety requirements must be met.

This course provides orientation to orthopedic surgery for the adult and pediatric patient, with related surgical anatomy, physiology, pathophysiology and specialty instrumentation, equipment and technologies. Special populations and relevant ethical and legal issues are discussed. Roles and responsibilities of the surgical technologist are emphasized.

**ST207 Surgical Technology - Otorhino- laryngologic, Oromaxillofacial, Plastic and Burn Surgery**

Credits 4

Winter

**Registration Requirement:** A grade of "C" or better in all previous Surgical Technology program curriculum and BI231, BI232, BI233, AH110, CIS120 and CIS120L. Concurrent enrollment in ST222 and health and safety requirements must be met.

This course provides orientation to otorhinolaryngologic, oromaxillofacial, plastic and burn surgery for the adult and pediatric patient, with related surgical anatomy, physiology, pathophysiology and specialty instrumentation, equipment and technologies. Special populations and relevant ethical and legal issues are discussed. Roles and responsibilities of the surgical technologist are emphasized.

**ST208 Surgical Technology - Ophthalmologic and Neurosurgery**

Credits 4

Spring

**Registration Requirement:** A grade of "C" or better in all previous Surgical Technology program curriculum and BI231, BI232, BI233, AH110, CIS120 and CIS120L. Concurrent enrollment in ST223; health and safety requirements must be met.

This course provides orientation to ophthalmic and neurosurgery for the adult and pediatric patient, with related surgical anatomy, physiology, pathophysiology and specialty instrumentation, equipment and technologies. Special populations and relevant ethical and legal issues are discussed. Roles and responsibilities of the surgical technologist are emphasized.

**ST209 Surgical Technology - Thoracic, Cardiovascular and Vascular Surgery**

Credits 4

Spring

**Registration Requirement:** A grade of "C" or better in all previous Surgical Technology program curriculum and BI231, BI232, BI233, AH110, CIS120 and CIS120L. Concurrent enrollment in ST223; health and safety requirements must be met.

This course provides orientation to thoracic, cardiovascular and vascular surgery for the adult and pediatric patient, with related surgical anatomy, physiology, pathophysiology and specialty instrumentation, equipment and technologies. Special populations and relevant ethical and legal issues are discussed. Roles and responsibilities of the surgical technologist are emphasized.

**ST221 Surgical Tech Clinical Practicum**

Credits 6

Fall

**Registration Requirement:** A grade of "C" or better in all previous Surgical Technology program core curriculum and BI231, BI232, BI233, AH110, CIS120 and CIS120L. Concurrent enrollment in ST204, ST205 and health and safety requirements must be met.

This course is designed to provide clinical experience concurrent with theory. Students will research assigned procedures and participate as a member of the surgical team during the perioperative care of adult and pediatric patients undergoing general, gynecologic and genitourinary surgical procedures. Emphasis is placed on safe patient care practices including principles of aseptic and sterile techniques and their application. Professional behaviors are expected and evaluated.

**Additional Course Fee:** \$350.00

**ST222 Surgical Tech Clinical Practicum**

Credits 6

Winter

**Registration Requirement:** A grade of "C" or better in all previous Surgical Technology program curriculum and BI231, BI232, BI233, AH110, CIS120 and CIS120L. Concurrent enrollment in ST206 and ST207; health and safety requirements must be met.

This course is designed to provide clinical experience concurrent with theory. Students will research assigned procedures and participate as a member of the surgical team during the perioperative care of adult and pediatric patients undergoing orthopedic, otorhinolaryngologic, oromaxillofacial, plastic and burn surgical procedures. Emphasis is placed on safe patient care practices including principles of aseptic and sterile techniques and their application. Professional behaviors are expected and evaluated. Additional content includes preparation for employment as a surgical technologist.

**Additional Course Fee:** \$350.00

**ST223 Surgical Tech Clinical Practicum**

Credits 6

Spring

**Registration Requirement:** A grade of "C" or better in all previous Surgical Technology program curriculum and BI231, BI232, BI233, AH110, CIS120 and CIS120L. Concurrent enrollment in ST208 and ST209; health and safety requirements must be met.

This course is designed to provide clinical experience concurrent with theory. Students research assigned procedures and participate as a member of the surgical team during the perioperative care of adult and pediatric patients undergoing thoracic, cardiovascular, vascular, ophthalmic and neurologic surgical procedures. Emphasis is placed on safe patient care practices including principles of aseptic and sterile techniques and their application. Professional behaviors are expected and evaluated. Students explore tools for making a successful transition from student to employee.

**Additional Course Fee:** \$350.00

*Course fees are subject to change. Additional section fees (web, hybrid, etc.) may apply.*