

Degree Description

Accredited by the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA. (25400 U.S. Highway 19 North, Suite 158, Clearwater, FL 33763; www.caahep.org; 727-210-2350)

This one-year certificate program is designed to prepare entry level surgical technologists to be an integral part of the team of medical Practitioner's providing surgical care to patients in a variety of settings. Surgical technologists are individuals with specialized education who function as members of the surgical team in the role of scrub person. This individual works under the supervision of a surgeon to ensure that the operating room or environment is safe, that equipment function properly, and that the operative procedure is conducted under conditions that maximize patient safety.

Students who would like to apply for acceptance into the Surgical Technology Program at McLennan are required to take the TSI Assessment prior to enrolling in college courses. A student has three years to complete the surgical technology curriculum after official enrollment in the first surgical technology course. Contact the program director for more information.

Marketable Skills:

1. Graduates will communicate effectively in the healthcare setting.
2. Graduates will use critical thinking and problem-solving skills in the perioperative setting.
3. As an entry-level surgical technologist, graduates will
 - a. demonstrate the application of the principles of asepsis in a knowledgeable manner that provides for optimal patient care.
 - b. demonstrate safe practice techniques regarding perioperative routines, patient transportation, and positioning.
 - c. demonstrate basic surgical case preparation skills.

Program Prerequisites

BIOL 2401 Anatomy & Physiology I	4 hours
HPRS 1206 Essentials of Medical Terminology <i>or</i> HPRS 1101 Introduction to Health Professions <i>and</i> HPRS 1106 Essentials of Medical Terminology	2 hours
BIOL 2402 Anatomy & Physiology II	4 hours
HPRS 2301 Pathophysiology	3 hours

Total prerequisite hours: 13 hours

Semester I	Hours
SRGT 1405 Introduction to Surgical Technology	4 hours
SRGT 1409 Fundamentals of Perioperative Concepts & Techniques	4 hours
SRGT 1260 Clinical - Introductory Surgical Tech	2 hours
SRGT 2130 Professional Readiness	1 hours
	11 hours

Semester II	Hours
SRGT 1542 Surgical Procedures II	5 hours
SRGT 1660 Clinical - Surgical Technology/Technologist	6 hours
SRGT 1441 Surgical Procedures I	4 hours
	15 hours

Semester III	Hours
SRGT 2660 Clinical - Advanced Surgical Technology	6 hours
	6 hours

Total hours: 32 hours

⁰ This is a Capstone Class.

¹ This course can be taken before entering the Surgical Technology program.

Course Descriptions

BIOL 2401 Anatomy & Physiology I

Anatomy and Physiology I is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, and nervous and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. NOTE: Must have passed the reading and writing portion of the TSI Assessment or have credit for INRW 0402. Semester Hours 4 (3 lec/3 lab)

HPRS 1206 Essentials of Medical Terminology

A study of medical terminology, word origin, structure, and application. Semester Hours 2 (2 lec)

HPRS 1101 Introduction to Health Professions

An overview of roles of various members of the health care system, educational requirements, and issues affecting the delivery of health care. Semester Hours 1 (1 lec)

HPRS 1106 Essentials of Medical Terminology

A study of medical terminology, word origin, structure, and application. Semester Hour 1 (1 lec)

BIOL 2402 Anatomy & Physiology II

Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. Prerequisite: BIOL 2401 with a grade of C or better. Semester Hours 4(3 lec/3 lab)

HPRS 2301 Pathophysiology

Study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and the physical and psychological reactions to diseases and injuries. Prerequisite: A course in anatomy and physiology or medical terminology or consent of division director. Semester Hours 3 (3 lec)

SRGT 1405 Introduction to Surgical Technology

Orientation to surgical technology theory, surgical pharmacology and anesthesia, technological sciences, and patient care concepts. Semester hours 4 (3 lec/ 2 lab)

SRGT 1409 Fundamentals of Perioperative Concepts & Techniques

In-depth coverage of perioperative concepts such as aseptic principles and practices, infectious processes, wound healing, and creation and maintenance of the sterile field. Admissions/Acceptance into the Surgical Technology program. Semester hours 4 (3 lec/2 lab)

SRGT 1260 Clinical - Introductory Surgical Tech

A health-related, work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Admissions/Acceptance into the Surgical Technology program. Semester hours 2 (8 clinical hours/week)

SRGT 2130 Professional Readiness

Overview of professional readiness for employment, attaining certification, and maintaining certification status. Admissions/Acceptance into the Surgical Technology program. Semester Hour 1 (1 lec)

SRGT 1542 Surgical Procedures II

Introduction to surgical procedures and related pathologies. Emphasis is on surgical procedures related to Genitourinary, otorhinolaryngological, ophthalmology, thoracic, peripheral vascular, plastic/reconstructive, ophthalmology, oral/maxillofacial, cardiac, and neurological surgical specialties incorporating instruments, equipment, and supplies required for preoperative patient care. Prerequisite: Take SRGT 1441 with a minimum grade of C or better as well as successful completion of the first semester of SRGT courses. Semester Hours 5 (4 lec/2 lab)

SRGT 1660 Clinical - Surgical Technology/Technologist

A health-related, work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Prerequisite: Successful completion of first semester of SRGT courses with a grade of C or better. Semester Hours 6 (12 clinical hours/week)

SRGT 1441 Surgical Procedures I

Introduction to surgical pathology and its relationship to surgical procedures. Emphasis is on surgical procedures related to the diagnostics, general, OB/GYN, genitourinary, otorhinolaryngology, and orthopedic surgical specialties incorporating instruments, equipment and supplies required for safe patient care. Prerequisite: Take SRGT 1405, SRGT 1409, SRGT 1260, and SRGT 2130 with a minimum grade of C or better. Semester hours 4 (3 lec/2 lab)

SRGT 2660 Clinical - Advanced Surgical Technology

A health-related, work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. This is a capstone course. Prerequisite: Successful completion of previous two semesters of SRGT courses with a grade of C or better. Semester hours 6 (19.50 clinical hours/week)
