

## Purpose and Expectations of the Surgical Technology Program

### Purpose and expectations of the Surgical Technology Program

The Surgical Technology Program is designed to prepare students for entry-level employment as a competent Surgical Technologist in the cognitive, psycho-motor, and affective learning domains to enter the profession. The surgical technology student will demonstrate the following:

1. Knowledge and practice of basic patient-care concepts.
2. Application of aseptic technique in the operating room.
3. Perform tasks in the first scrub, second scrub, and non-sterile roles to include and not limited to transporting patients, patient positioning, skin prep, case preparation, surgical draping, surgical assisting, holding retractors, passing instruments, passing suture, preparing medications, performing counts, tissue/specimen management, applying dressings, disinfection, decontamination, and sterilization of instruments/equipment.
4. Responsible behavior as a health care professional.

### Admission Requirements

Students are admitted to the Surgical Technology Program through the regular college admission procedures (see Admission Regulations section) and program specific requirements. Students will receive an A.A.S. degree upon satisfactory completion of the program of study and upon making formal application for graduation (see Curricula section). The Surgical Technology Program carries two awards, an A.A.S. degree and a National Certification (must pass). Students who wish to pursue the A.A.S. degree must meet all Texas Success Initiative (TSI) requirements.

### Application Process:

1. Fulfill admission requirements and be admitted to SWTJC
2. Must have high school diploma/GED
3. Must hold a valid social security card
4. Must hold a State issued I.D. card or a valid driver's license (DL). Name registered on State issued ID or DL must match name as listed on social security card.
5. Evidence of required immunizations in writing, as required by the Texas Department of Health
6. Pass a criminal background check. Students with any criminal convictions/pending cases will meet with the Program Director to discuss acceptance into the Program.
7. Pass drug screen. Students need to show a valid/current prescription for some medications.
8. Health Insurance and Needle Stick Insurance is highly recommended. SWTJC will supply insurance during clinicals.

\* Cost of immunizations, drug screen, security background check, and health insurance are not covered by SWTJC. Additional health insurance will be made available during clinicals

\* Clinical institutions may need other immunizations

\* There are medical and religious exemptions for COVID vaccination, it will be up to the clinical institution whether to accept or deny a student's exemption.

\* Clinic sites can request a new drug screen(s) and background check(s) before starting/during clinicals.

### Surgical Technology Specific Admission Requirements/Process

1. Applicants must attend a Surgical Technology Program Information Session
2. Complete questionnaire and turn into Program Director
3. Complete a resume and turn into Program Director
4. Complete medical exam and turn in medical exam form to Program Director
5. Clinical and Immunization Acknowledgement Form
6. Pregnancy Policy
7. Health Insurance/Needle Stick Insurance is recommended
8. Pass a criminal background check
9. Pass drug screen. Students need to show a valid/current prescription for some medications
10. Interview with Program Director

Surgical Technology Program Information Session will be on the 1<sup>st</sup> Thursday starting in May 2024 thru July 2024. The program director and academic advisors will review all applications to make sure all forms have been received, are properly completed, and minimum requirements met. Students will be accepted based on completion of required academic courses, GPA, questionnaire, resume, immunization requirements, results of criminal background check, drug screen, and medical clearance. Applicants that do not pass background check and/or drug screen will not be accepted into the surgical technology program.

Applicants will be notified by the program director if they are selected or not selected for the surgical technology program. Applicants not selected but who meet standards will be placed on a replacement list.

- \* Cost of immunizations, drug screen, and security background check are not covered by SWTJC
- \* Clinical institutions will require the Covid vaccination to gain privileges to the hospital. Other immunizations not listed on Clinical and Immunization Acknowledgment Form may be required.
- \* There are medical and religious exemptions for Covid vaccination, it will be up to the clinical institution whether to accept or deny a student's exemption
- \* Clinic sites can request a new drug screen(s) and background check(s) before starting/during clinicals

**Student must have the following qualities:**

1. Physical stamina- stand, bend stoop for extended periods of time (up to 6-8 hours) with no/minimal breaks
2. Exhibit manual dexterity and fine motor skills in both hands
3. Able to lift 20 lbs.
4. Effective communication skills
5. Hear and understand muffled communication
6. Function without an allergic reaction to an environment with substantial latex exposure.
7. No active skin conditions, i.e., psoriasis, eczema
8. Ability to accept constructive criticism and show behavioral change
9. Empathy

**Additional Costs:**

1. Textbooks
2. AST Gold Bundle (includes cost of certification exam and AST membership for one year)
3. Board Vitals
4. Trajecsys
5. Uniform Scrubs x 3 sets (top and bottom) Color will be specified by the program.
6. Lab Coat
7. White sneakers or nursing shoes
8. Graduation cap, gown, and diploma

9. Computer

**SURGICAL TECHNOLOGIST  
ASSOCIATE OF APPLIED SCIENCE**

**Program of Study**

**1st Year/Semester**

Class Name:	Credits:
ENGL 1301 Composition I	3
HITT 1305 Medical Terminology I	3
PHIL 2306 Introduction to Ethics	3
BIOL 2404 Anatomy and Physiology (Lecture & Lab)	4
<b>Semester Total:</b>	<b>13</b>

**1st Year/Semester 2**

Class Name:	Credits:
SRGT 1405 Introduction to Surgical Technology (Lecture & Lab)	4
PSYC 2301 General Psychology	3
BIOL 2420 Microbiology for Non-Science Majors (Lecture & Lab)	4
SRGT 1244 Technological Sciences for the Surgical Technologist	2
<b>Semester Total:</b>	<b>13</b>

**1st Year/Summer Session**

Class Name:	Credit:
SRGT 1509 Fundamentals of Perioperative Concepts and Techniques (Lecture & Lab)	5
SRGT 1491 Special Topics in Surgical/Operating Room Technician (Lecture & Lab)	4
MATH 1322 Contemporary Mathematics (Quantitative Reasoning)	3
<b>Semester Total:</b>	<b>12</b>

**2nd Year/1st Semester**

Class Name:	Credits:
SRGT 1541 Surgical Procedures I (Lecture & Lab)	5
SRGT 1461 Clinical-Surgical Technology/Technologist	4

SRGT 2130 Profession Readiness

Semester 1  
Total: 10

2nd Year/2nd Semester

Class Name:

Credits:

SRGT 1542 Surgical Procedures II (Lecture & Lab)

5

\*SRGT 2562 Clinic-Surgical Technology/Technologist

5

SRGT 2230 Professional Readiness

2

Semester 12  
Total:

Notes:

\*Capstone course that combines the student's learning experiences.

Total Credit Hours: 60

## Proposed Surgical Technology/Technologist Program

<b>1st Year/Semester 1</b>			
Class Name:			Credits:
ENGL 1301 Composition I			3
HITT 1305 Medical Terminology I			3
PHIL 2306 Introduction to Ethics			3
BIOL 2404 Anatomy & Physiology (Lecture & Lab)			4
		<b>Semester Total:</b>	<b>13</b>
<b>1st Year/Semester 2</b>			
Class Name:			Credits:
SRGT 1405 Introduction to Surgical Technology (Lecture & Lab)			4
PSYC 2301 General Psychology			3
BIOL 2420 Microbiology for Non-Science Majors (Lecture & Lab)			4
SRGT 1244 Technological Sciences for the Surgical Technologist			2
		<b>Semester Total:</b>	<b>13</b>
<b>1st Year/Summer Session</b>			
Class Name:			Credits:
SRGT 1509 Fundamentals of Perioperative Concepts and Techniques (lecture & Lab)			5
SRGT 1491 Special Topics in Surgical/Operating Room Technician (Lecture & Lab)			4
MATH 1322 Contemporary Mathematics (Quantitative Reasoning)			3
		<b>Semester Total:</b>	<b>12</b>
<b>2nd Year/1st Semester</b>			
Class Name:			Credits:
SRGT 1541 Surgical Procedures I (Lecture & Lab)			5
SRGT 1461 Clinical-Surgical Technology/Technologist			4
SRGT 2130 Profession Readiness			1
		<b>Semester Total:</b>	<b>10</b>
<b>2nd Year/2nd Semester</b>			
Class Name:			Credits:
SRGT 1542 Surgical Procedures II (Lecture & Lab)			5
SRGT 2562 Clinic-Surgical Technology/Technologist			5
SRGT 2230 Professional Readiness			2
		<b>Semester Total:</b>	<b>12</b>



## **Surgical Technology Course Descriptions**

### **SRGT 1405 Introduction to Surgical Technology (3-2-0)**

**Course Description:** Orientation to surgical technology theory, surgical pharmacology and anesthesia, technological sciences, and patient care concepts.

**End-of-Course Outcomes:** Explain the physical, interpersonal, and ethical aspects of the operating room environment; relate basic concepts of surgical pharmacology and anesthesia; identify basic concepts of technological sciences; and demonstrate patient care concepts.

### **SRGT 1244 Technological Sciences for the Surgical Technologist (2-0-0)**

**Course Description:** Specialized surgical modalities covered include endoscopy, microsurgery, therapeutic surgical energies, and other integrated science technologies.

**End-of-Course Outcomes:** Apply the principles of technological sciences to surgical specialties; select instruments, equipment, and supplies related to technological sciences; identify expected outcomes, and complications related to surgical modalities.

### **SRGT 1509 Fundamentals of Perioperative Concepts and Techniques (3-6-0)**

**Course Description:** In-depth coverage of perioperative concepts such as aseptic principles and practices, infectious processes, wound healing, and creation and maintenance of the sterile field.

**End-of-Course Outcomes:** Demonstrate principles and practices of aseptic techniques; explain infectious processes and concepts of wound healing; and create and maintain a sterile field utilizing basic case preparation and procedures.

### **SRGT 1491 Special Topics in Surgical/Operating Room Technician (3-2-0)**

**Course Description:** Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.

**End-of-Course Outcomes:** Learning outcomes/objectives are determined by local occupational need and business and industry trends.

### **SRGT 1541 Surgical Procedures I (4-2-0)**

**Course Description:** Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to the general, OB/GYN, genitourinary, otorhinolaryngology, and orthopedic surgical specialties incorporating instruments, equipment, and supplies required for safe patient care.

**End-of-Course Outcomes:** Relate the specific anatomy and pathology to indications for selected surgical procedures; summarize patient preparation for selected surgical procedures; select instruments, equipment, and supplies and reconstruct the sequence for related surgical procedures; and identify expected outcomes and possible complications for surgical procedures.

### **SRGT 1461 Clinic-Surgical Technology/Technologist (0-0-24)**

**Course Description:** 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.

**End-of-Course Outcomes:** As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry; and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

### **SRGT 2130 Professional Readiness (1-0-0)**

**Course Description:** Overview of professional readiness for employment, attaining certification, and maintaining certification status.

**End-of-Course Outcomes:** Demonstrate job-seeking skills; and identify strengths and weaknesses in preparation for the certification examination.

### **SRGT 1542 Surgical Procedures II (4-2-0)**

**Course Description:** Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to the cardiothoracic, peripheral vascular, plastic/reconstructive, ophthalmology, oral/maxillofacial, and neurological surgical specialties incorporating instruments, equipment, and supplies required for safe patient care.

**End-of-Course Outcomes:** Relate anatomy and pathology to indications for selected surgical procedures; summarize patient preparation for selected surgical procedures; select instruments, equipment, and supplies and reconstruct the sequence for related surgical procedures; and identify expected outcomes and possible complications for surgical procedures.

#### **SRGT 2562 Clinic-Surgical Technology/Technologist (0-0-24)**

**Course Description:** 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.

**End-of-Course Outcomes:** As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry; and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

#### **SRGT 2230 Professional Readiness (2-0-0)**

**Course Description:** Overview of professional readiness for employment, attaining certification, and maintaining certification status.

**End-of-Course Outcomes:** Demonstrate job-seeking skills; and identify strengths and weaknesses in preparation for the certification examination.