

Appendix A

Each of the following sub-appendices contains a detailed chart of program and course standards revisions described within the Probe notice documentation.

- A1- ST12: Surgical Technology
- A2- ST13: Surgical Technology
- A3- SURG 1010: Introduction to Surgical Technology
- A4- SURG 1020: Principles of Surgical Technology
- A5- SURG 1080: Surgical Microbiology
- A6- SURG 1100: Surgical Pharmacology
- A7- SURG 2030: Surgical Procedures I
- A8- SURG 2040: Surgical Procedures II
- A9- SURG 2110: Surgical Technology Clinical I
- A10- SURG 2120: Surgical Technology Clinical II
- A11- SURG 2130: Surgical Technology Clinical III
- A12- SURG 2140: Surgical Technology Clinical IV
- A13- SURG 2240: Seminar in Surgical Technology

A1- ST12: Surgical Technology

Revised Program Description

The surgical technology diploma program prepares entry-level surgical technologists who are competent in cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to enter the profession. The program provides learning opportunities that introduce, develop, and reinforce academic and technical knowledge, skills, and attitudes required for job acquisition, retention, and advancement in surgical technology. In addition, the program provides opportunities to upgrade present knowledge and skills or to retrain in surgical technology.

Revised Occupational Trends

Nationally, surgical technologists held about 109,060 jobs in 2021 and 4440 jobs in Georgia in 2018. Most surgical technologists work in hospitals. Some work in outpatient surgery centers or in the offices of physicians or dentists who perform outpatient surgery. It is projected that nationally in 2030, surgical technologists will hold 118,560 jobs, representing an increase of 9,500 jobs overall, or an increase of 9%, about as fast as the average for all occupations. In Georgia in 2028, it is estimated that 5,310 jobs will be held by surgical technologists, an increase of 19.4%.

Advances in medical technology have made surgery safer, and more operations are being done to treat a variety of illnesses and injuries. In addition, the aging of the large baby-boom generation is expected to increase the need for surgical technologists because older people usually require more operations. Moreover, as these individuals age, they may be more willing than those in previous generations to seek medical treatment to improve their quality of life.

Hospitals will continue to be the primary employer of surgical technologists, although much faster employment growth is expected in offices of physicians and outpatient care centers, including ambulatory surgical centers. Job prospects will be best for surgical technologists who have completed an accredited education program and who maintain their professional certification.

Revised Education Programs

Surgical technologists need an associate degree from a CAAHEP-accredited education program. Several states regulate surgical technologists and the practice of surgical technology. In many other states, certification is not a state mandate but an employer requirement. Accredited programs in surgical technology offer an associate degree in surgical technology and are found in community colleges and vocational schools. Typical college-level pre-requisite courses include anatomy, biology, medical terminology, mathematics, and English. Students learn hands-on skills in the educational laboratory setting as well as in supervised hospital clinical settings.

Revised Actual Job/Career

Surgical technologists typically do the following: prepare operating rooms for surgery, prepare and set up all supplies and equipment needed for surgery; check that all surgical equipment is working properly; assist in preparing, positioning, and draping the surgical patient; prepare sterile solutions and medications used in surgery; gown and glove sterile team members; pass instruments and supplies to surgeons and assistants; perform counts with other personnel to avoid retained objects; care for and dispose of specimens taken for laboratory analysis, and maintain the strictest standards of aseptic technique to prevent patient infection. After surgery, surgical technologists may help transfer patients to recovery rooms, clean and restock operating rooms, and clean and sterilize instruments and equipment.

Surgical technologists wear scrubs and personal protective equipment (PPE) while they are in the operating room. They work on their feet, standing for long periods of time, with frequent walking, bending, reaching, and heavy lifting. The surgical technologist must have excellent fine motor skills, vision, and hearing. On a regular basis, they are exposed to blood and body fluids, infectious diseases, contaminated sharps, hazardous chemicals, and radiation. Surgical technologists work as healthcare team members alongside surgeons, registered nurses, and other healthcare providers.

Revised Salary Trends

Hourly Salary: \$23.33

Annual Salary: \$48,530

Salary Trends Details: According to the U.S. Bureau of Labor Statistics, the median annual wage of surgical technologists was \$48,530 in May 2021. The lowest 10 percent earned less than \$36,930, and the top 10 percent earned more than \$75,940.

Revised Occupational Analysis

Pre-operative Duties

1. Assist in preparing the operating room
2. ~~Prepare surgical instruments and equipment.~~ Assemble both sterile and nonsterile equipment
3. ~~Prepare sterile drapes.~~ Check and adjust equipment to ensure it is working properly
4. ~~Prepare sterile solutions.~~ Prepare surgical instruments, supplies, and equipment
5. ~~Assemble both sterile and nonsterile equipment.~~ Prepare sterile solutions and medications
6. ~~Check and adjust equipment to ensure it is working properly.~~ Prepare and identify patients for surgery
7. ~~Prepare patients for surgery.~~ Observe patients' vital signs
8. ~~Wash, shave, and disinfect incision sites.~~ Check patients' charts
9. Transport patients to the operating room
10. Assist in positioning patients on the operating table
11. ~~Cover patients with sterile surgical drapes.~~ Prepare patient incision sites
12. ~~Observe patients' vital signs.~~ Cover patients with sterile surgical drapes
13. ~~Check patients charts.~~ Gown and glove sterile team members
14. ~~Help the surgical team put on sterile gowns and gloves~~

Intra-Operative Duties

1. Pass instruments and other sterile supplies to surgeons and assistants
2. Hold retractors
3. Cut sutures
4. Assist in counting sponges, needles, supplies, and instruments
5. Assist in preparing, caring for, and disposing of specimens taken for laboratory analysis
6. Assist in applying dressings
7. May operate lights or suction machine
8. May help operate diagnostic equipment
9. Maintain an aseptic technique throughout the surgery
10. Safely prepare and handle medications
11. Maintain a safe surgical field by managing sharps

Post-Operative Duties

1. Transfer patients to the recovery room
2. Clean and restock the operating room
3. **Clean and sterilize surgical instruments and equipment**

Revised Program Outcomes

1. Demonstrate knowledge of human anatomy and physiology.
2. Demonstrate expertise in the theory and application of sterile and aseptic **techniques**.
3. Perform competently in preoperative duties.
4. Perform competently in intraoperative duties.
5. Perform competently in postoperative duties.
6. Perform competently as a member of an operating room team.

Revised Program Curriculum

ST12: Surgical Technology (2023)~ Proposed Changes				
	Course Number	Course Title	Contact Hours	Credit Hours
Basic Skills (9hrs)				
<i>Select 1 of the 2 English courses (3hrs)</i>				
OR	ENGL 1010	Fundamentals of English	45	3
OR	ENGL 1101	Composition and Rhetoric	45	3
<i>Select 1 of the 2 Math courses (3hrs)</i>				
OR	MATH 1012	Foundations of Mathematics	45	3
OR	MATH 1005	Allied Technical Mathematics	45	3
	BIOL 2114	Anatomy and Physiology II	45	3
<i>Psychology Requirement (3hrs)</i>				
	PSYC 1010	Basic Psychology	45	3
Occupational Courses				
	SURG 1010	Introduction to Surgical Technology	210	8
	SURG 1080	Surgical Microbiology (REMOVED)	30	2
	SURG 2110	Surgical Technology Clinical I	135	3
	SURG 1020	Principles of Surgical Technology	165- 255	7 9
	SURG 1100	Surgical Pharmacology	45	2
	SURG 2030	Surgical Procedures I	60 120	4
	SURG 2120	Surgical Technology Clinical II	135	3
	SURG 2040	Surgical Procedures II	60 120	4
	SURG 2130	Surgical Technology Clinical III	135	3
	SURG 2140	Surgical Technology Clinical Iv	135	3
	SURG 2240	Seminar in Surgical Technology	30	2
Total Program Hours			1380 1560	57

Revised Program Admission Requirements

Other Placement Conditions- **Students who participate in coursework in Surgical Technology must meet minimum technical requirements ensuring the successful physical performance of professional duties. Students may be required to pass criminal background checks and drug screening procedures as prescribed by the attendant college or clinical institution where clinical experience will be performed. Additionally, students may be required to receive medical screening, physical examination, and/or vaccinations as required by the attendant college or clinical institution in which clinical experience will be performed.**

Revised External Standards

1. The preferred candidate for most employers is a Certified Surgical Technologist. Surgical Technologists may obtain professional certification from the National Board of Surgical Technology and Surgical Assisting (NBSTSA) by graduating from a CAAHEP-accredited program (<http://www.caahep.org>) and passing a national certification examination. They may then use the Certified Surgical Technologist (CST) designation. Continuing education or reexamination is required to maintain certification, which must be renewed every two years.
2. Practicum/Internship or Clinical courses are based on a clock hour (sixty minutes) in the Surgical Technology program. Appropriate breaks are included in the clock hour as directed at the Practicum/Internship or Clinical site. One semester credit shall be awarded for a minimum of three clock hours of Clinical/Practicum or Internship. One hour of credit shall be awarded for 2250 minutes of instructional time.

Revised Faculty/Administrative Requirements

Other Specific Staff Resources- As stated in the CAAHEP Standards and Guidelines for the Accreditation of Educational Programs in Surgical Technology, effective August 1, 2022, the institution must appoint sufficient faculty and staff with the necessary qualifications to perform the functions identified in the documented job description and to achieve the program's stated goals and outcomes.

The ARC/STSA Laboratory Ratio Policy establishes the mandatory required 10:1 student/instructor ratio for laboratory instruction in CAAHEP-accredited surgical technology programs. Qualified laboratory instructional staff must be sufficient in numbers, based on maximum enrollment capacity and laboratory section capacity, to conduct the laboratory experience at no greater than a 10:1 ratio. The 10:1 ratio assures sufficient student exposure to and experience with required laboratory competencies and allows for appropriate skill assessment and frequency of student evaluation.

Revised Program Resources/Equipment/Facilities

The program must demonstrate that it has sufficient equipment, instrumentation, supplies, and physical laboratory space to permit all students assigned to the laboratory experience to be actively and safely engaged in the learning process. Resources must support the methodology included in the program's master curriculum.

A2- ST13: Surgical Technology

Revised Program Description

The surgical technology degree program prepares entry-level surgical technologists who are competent in cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to enter the profession. The program provides learning opportunities that introduce, develop, and reinforce academic and technical knowledge, skills, and attitudes required for job acquisition, retention, and advancement in surgical technology. In addition, the program provides opportunities to upgrade present knowledge and skills or to retrain in surgical technology. Graduates of the program receive a surgical technology associate of applied science degree and are qualified for employment as a surgical technologist, as well as eligible to sit for the Certified Surgical Technologist (CST) examination through the National Board of Surgical Technology and Surgical Assisting (NBSTSA).

Revised Occupational Trends

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7. ~~Prepare patients for surgery.~~ Observe patients' vital signs
8. ~~Wash, shave, and disinfect incision sites.~~ Check patients' charts
9. Transport patients to the operating room
10. Assist in positioning patients on the operating table
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12. ~~Observe patients' vital signs.~~ Cover patients with sterile surgical drapes
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Intra-Operative Duties

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5. Assist in preparing, caring for, and disposing of specimens taken for laboratory analysis
6. Assist in applying dressings
7. May operate lights or suction machine
8. May help operate diagnostic equipment
9. **Maintain an aseptic technique throughout the surgery**
10. **Safely prepare and handle medications**
11. **Maintain a safe surgical field by managing sharps**

Post-Operative Duties

1. Transfer patients to the recovery room
2. Clean and restock the operating room
3. Clean and sterilize surgical instruments and equipment

Revised Program Outcomes

1. Demonstrate knowledge of human anatomy and physiology.
2. Demonstrate expertise in the theory and application of sterile and aseptic **techniques**.
3. Perform competently in preoperative duties.
4. Perform competently in intraoperative duties.
5. Perform competently in postoperative duties.
6. Perform competently as a member of an operating room team.

Revised Program Curriculum

ST13: Surgical Technology (2023)~ Proposed Changes				
	Course Number	Course Title	Contact Hours	Credit Hours
<i>Area I: Language Arts/Communication (3hrs)</i>				
	ENGL 1101	Composition and Rhetoric	45	3
<i>Area II: Social/Behavioral Sciences (3hrs)</i>				
	Choose 1 Social Sciences/Behavioral Sciences Course		45	3
<i>Area III: Natural Sciences/Mathematics (3hrs)</i>				
OR	MATH 1100	Quantitative Skills and Reasoning	45	3
OR	MATH 1101	Mathematical Modeling	45	3
OR	MATH 1103	Quantitative Skills and Reasoning	45	3
OR	MATH 1111	College Algebra	45	3
<i>Area IV: Humanities/Fine Arts(3hrs)</i>				
	Choose 1 Humanities/Fine Arts Course		45	3
<i>Additional General Education Core Requirement (3hrs)</i>				
	Choose 1 additional course from Areas I, II, III or IV		45	3
<i>Non-Occupational Courses</i>				
	ALHS 1090	Medical Terminology for Allied Health Sciences	30	2
	BIOL 2113	Anatomy and Physiology I	45	3
	BIOL 2113L	Anatomy and Physiology Lab I	45	1
	BIOL 2114	Anatomy and Physiology II	45	3
	BIOL 2114L	Anatomy and Physiology Lab II	45	1
	BIOL 2117	Introductory Microbiology	45	3

	BIOL 2117L	Introductory Microbiology Lab	45	1
<i>Occupational Courses</i>				
	SURG 1010	Introduction to Surgical Technology	210	8
	SURG 1080	Surgical Microbiology (REMOVED)	30	2
	SURG 2110	Surgical Technology Clinical I	135	3
	SURG 1020	Principles of Surgical Technology	165 255	7 9
	SURG 1100	Surgical Pharmacology	45	2
	SURG 2030	Surgical Procedures I	60 120	4
	SURG 2120	Surgical Technology Clinical II	135	3
	SURG 2040	Surgical Procedures II	60 120	4
	SURG 2130	Surgical Technology Clinical III	135	3
	SURG 2140	Surgical Technology Clinical Iv	135	3
	SURG 2240	Seminar in Surgical Technology	30	2
Total Program Hours			1140 1320	70

Revised Program Admission Requirements

Other Placement Conditions- Students who participate in coursework in Surgical Technology must meet minimum technical requirements ensuring the successful physical performance of professional duties. Students may be required to pass criminal background checks and drug screening procedures as prescribed by the attendant college or clinical institution where clinical experience will be performed. Additionally, students may be required to receive medical screening, physical examination, and/or vaccinations as required by the attendant college or clinical institution in which clinical experience will be performed.

Revised External Standards

1. The preferred candidate for most employers is a Certified Surgical Technologist. Surgical Technologists may obtain professional certification from the National Board of Surgical Technology and Surgical Assisting (NBSTSA) by graduating from a CAAHEP-accredited program (<http://www.caahep.org>) and passing a national certification examination. They may then use the Certified Surgical Technologist (CST) designation. Continuing education or reexamination is required to maintain certification, which must be renewed every two years.
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Revised Faculty/Administrative Requirements

Other Specific Staff Resources- Other Specific Staff Resources- As stated in the CAAHEP Standards and Guidelines for the Accreditation of Educational Programs in Surgical Technology, effective August 1, 2022, the institution must appoint sufficient faculty and staff with the necessary qualifications to perform the functions identified in the documented job description and to achieve the program's stated goals and outcomes.

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Revised Program Resources/Equipment/Facilities

The program must demonstrate that it has sufficient equipment, instrumentation, supplies, and physical laboratory space to permit all students assigned to the laboratory experience to be actively and safely engaged in the learning process. Resources must support the methodology included in the program's master curriculum.

A3- SURG 1010: Introduction to Surgical Technology

Revised Course Version

202312

Revised Course Description

Provides an overview of the surgical technology profession and develops the fundamental concepts and principles necessary to successfully participate on a surgical team. Topics include: introduction to preoperative, intraoperative and postoperative principles of surgical technology, professionalism, and health care facility information. (There are surgical procedures that are similar as far as procedural steps, instrumentation, supplies, patient position, etc. This is referred to as the "Co-Related Procedures Concept." The purpose of using the Co-Related Procedures Concept is to provide the instructor additional time to teach surgical procedures as well as avoid repetition.)

Revised Pre-Requisites

- In order to clarify the flexibility of the programmatic admission requirements determined by each program, the following disclaimer was provided,
 - Contingent to the program layout determined by each college, programs can select one or more of the listed courses as a pre-req.
 - Program Admission remained as is.
 - BIOL 2113: Anatomy & Physiology I was added.
 - BIOL 2113L: Anatomy & Physiology Lab I was added.
 - BIOL 2114: Anatomy & Physiology II was added.
 - BIOL 2114L: Anatomy & Physiology Lab II was added
 - BIOL 2117: Introductory Microbiology was added.
 - BIOL 2117L: Introductory Microbiology Lab was added.
 - ENGL 1101: Composition & Rhetoric was added.
 - MATH 1101: Mathematical Modeling was added.
 - MATH 1111: College Algebra was added.

Revised Course Length

	Lecture Contact Time	Regular Lab Type	Regular Lab Contact Time	Other Lab Type	Other Lab Contact Time	Total Contact Hours
Contact Hours per Week	4hrs 5hrs	Lab	4hrs	Internship	6hrs- 9hrs	14hrs
Contact Min/Hrs per Semester	3000mins 3750mins		3000mins		4500mins 6750mins	210hrs

	Lecture Credit Hours	Lab Credit Hours	Total Credit Hours
Semester Credit Hours	4hrs 5hrs	4hrs 3hrs	8hrs

Revised Course Learning Outcomes

- Surgical Supplies competency & respective learning outcomes were added.
- Needs of the Patient competency & respective learning outcomes were added.
- Death & Dying competency & respective learning outcomes were added.
- The removal of SURG 1080 allowed a minimal amount of surgical-specified microbiology content to be added.

A4- SURG 1020: Principles of Surgical Technology

Revised Course Version

202312

Revised Course Description

Provides continued study of surgical team participation by wound management and co-related skills for the operating room. Topics include: patient care concepts; preoperative, intraoperative and postoperative skills; perioperative case management; and principles of minimally invasive surgical techniques. (There are surgical procedures that are similar as far as procedural steps, instrumentation, supplies, patient position, etc. This is referred to as the "Co-Related Procedures Concept." The purpose of using the Co-Related Procedures Concept is to provide the instructor additional time to teach surgical procedures as well as avoid repetition.)

Revised Pre-Requisites

- In order to clarify the flexibility of the programmatic admission requirements determined by each program, the following disclaimer was provided,
 - Contingent to the program layout determined by each college, programs can select one or more of the listed courses as a pre-req.
 - Program Admission remained as is.
 - BIOL 2113: Anatomy & Physiology I was added.
 - BIOL 2113L: Anatomy & Physiology Lab I was added.
 - BIOL 2114: Anatomy & Physiology II was added.
 - BIOL 2114L: Anatomy & Physiology Lab II was added
 - BIOL 2117: Introductory Microbiology was added.
 - BIOL 2117L: Introductory Microbiology Lab was added.
 - ENGL 1101: Composition & Rhetoric was added.
 - MATH 1101: Mathematical Modeling was added.
 - MATH 1111: College Algebra was added.

Revised Course Length

	Lecture Contact Time	Regular Lab Type	Regular Lab Contact Time	Other Lab Type	Other Lab Contact Time	Total Contact Hours
Contact Hours per Week	5hrs			Clinical	6hrs 12hrs	11hrs 17hrs
Contact Min/Hrs per Semester	3750mins				4500mins 9000mins	165hrs 255hrs

	Lecture Credit Hours	Lab Credit Hours	Total Credit Hours
Semester Credit Hours	5hrs	2hrs 4hrs	7hrs 9hrs

Revised Course Learning Outcomes

- Interventional Radiology Applications competency & respective learning outcomes were added.
- Surgical Counts competency & respective learning outcomes were removed from SURG 1010 and added.
- Assistant Circulator Duties competency & respective learning outcomes were removed from SURG 1010 and added.
- Surgical Incisions competency & respective learning outcomes were removed from SURG 1010 and added.
- Specimen Care and Handling competency & respective learning outcomes were removed from SURG 1010 and added.
- Post-Anesthesia Care Unit (PACU) competency & respective learning outcomes were removed from SURG 1010 and added.

A5- SURG 1080: Surgical Microbiology

- The course was removed from the Surgical Technology program curriculum.
- With the required Microbiology changes outlined within the CCST-7e, the extent of the microbiology knowledge that students need to be successful within the program is fully covered within the BIOL 2117/2117L, which is a required course of the ST13: Surgical Technology program.
- The minimum amount of surgical-specific microbiology content was added to the SURG 1010 course.
- The removal of this course allowed the two (2) credit hours to be reallocated to the SURG 1020 course to provide additional time for coverage of the added content and skills placed with the course.

A6- SURG 1100: Surgical Pharmacology

Revised Course Version

202312

Revised Course Description

Introduces the concepts of surgical pharmacology and anesthesia. Topics include: terminology; medication calculations and measurements; proper handling of medications and solutions used in surgery; guidelines and regulations for medication safety; and types of anesthesia.

Revised Pre-Requisites

- In order to clarify the flexibility of the programmatic admission requirements determined by each program, the following disclaimer was provided,
 - Contingent to the program layout determined by each college, programs can select one or more of the listed courses as a pre-req.
 - Program Admission remained as is.
 - SURG 1010: Introduction to Surgical Technology was added.

Revised Co-Requisites

- In order to clarify the flexibility of the programmatic admission requirements determined by each program, the following disclaimer was provided,
 - Contingent to the program layout determined by each college, programs can select one or more of the listed courses as a pre-req.
 - Program Admission remained as is.
 - SURG 1010: Introduction to Surgical Technology was added.

Revised Course Learning Outcomes

- No major content changes.
- Minor revisions to content terminology was updated to align with updates of accreditation standards.

A7- SURG 2030: Surgical Procedures I

Revised Course Version

202312

Revised Course Description

Introduces the surgical specialties to include General Surgery, Obstetric and Gynecologic Surgery, Genitourinary Surgery, Otorhinolaryngologic Surgery, and Orthopedic Surgery. Topics for each surgical specialty will include Anatomy and Physiology, Pathophysiology, Diagnostic Interventions, specialty supplies, equipment, and instrumentation and the Surgical Procedure. There are similar surgical procedures as far as instrumentation, supplies, patient positioning, and operative sequence. This is referred to as the Co-Related Procedures Concept. The purpose of using the Co- Related Procedures Concept is to allow the instructor time to teach surgical procedures and avoid repetition. As with co-related procedures, the concept of minimally invasive surgery (MIS) as an approach is used and describes any surgical approach other than open. Robotic-assisted and endoscopic procedures are categorized as MIS. Interventional radiology is a medical subspecialty that refers to a range of techniques utilizing radiologic image guidance and minimally invasive procedures to diagnose and treat diseases in several surgical specialties.

Revised Pre-Requisites

- In order to clarify the flexibility of the programmatic admission requirements determined by each program, the following disclaimer was provided,
 - Contingent to the program layout determined by each college, programs can select one or more of the listed courses as a pre-req.
 - Program Admission remained as is.
 - SURG 1010: Introduction to Surgical Technology was added.

Revised Course Length

	Lecture Contact Time	Regular Lab Type	Regular Lab Contact Time	Other Lab Type	Other Lab Contact Time	Total Contact Hours
Contact Hours per Week	4hrs 1hr	Lab	4hrs	Practicum	3hrs	4hrs 8hrs
Contact Min/Hrs per Semester	3000mins 750mins		3000mins		2250mins	60hrs 120hrs

	Lecture Credit Hours	Lab Credit Hours	Total Credit Hours
Semester Credit Hours	4hrs 1hr	0hrs 3hrs	4hrs

Revised Course Learning Outcomes

- New learning objectives were added to the procedures related to the different surgical approaches of the competencies listed throughout the course.

A8- SURG 2040: Surgical Procedures II

Revised Course Version

202312

Revised Course Description

Introduces the surgical specialties to include General Surgery, Obstetric and Gynecologic Surgery, Genitourinary Surgery, Otorhinolaryngologic Surgery, and Orthopedic Surgery. Topics for each surgical specialty will include Anatomy and Physiology, Pathophysiology, Diagnostic Interventions, specialty supplies, equipment, and instrumentation and the Surgical Procedure. There are similar surgical procedures as far as instrumentation, supplies, patient positioning, and operative sequence. This is referred to as the Co-Related Procedures Concept. The purpose of using the Co- Related Procedures Concept is to allow the instructor time to teach surgical procedures and avoid repetition. As with co-related procedures, the concept of minimally invasive surgery (MIS) as an approach is used and describes any surgical approach other than open. Robotic-assisted and endoscopic procedures are categorized as MIS. Interventional radiology is a medical subspecialty that refers to a range of techniques utilizing radiologic image guidance and minimally invasive procedures to diagnose and treat diseases in several surgical specialties.

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 - Program Admission remained as is.
 - SURG 1010: Introduction to Surgical Technology was added.

Revised Course Length

	Lecture Contact Time	Regular Lab Type	Regular Lab Contact Time	Other Lab Type	Other Lab Contact Time	Total Contact Hours
Contact Hours per Week	4hrs 1hr	Lab	4hrs	Practicum	3hrs	4hrs 8hrs

Contact Min/Hrs per Semester	3000mins 750mins		3000mins		2250mins	60hrs 120hrs
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	Lecture Credit Hours	Lab Credit Hours	Total Credit Hours
Semester Credit Hours	4hrs 1hr	0hrs 3hrs	4hrs

Revised Course Learning Outcomes

- New learning objectives were added to the procedures related to the different surgical approaches of the competencies listed throughout the course.

A9- SURG 2110: Surgical Technology Clinical I

Revised Course Version

202312

Revised Course Description

Orients students to the clinical environment and provides experience with basic skills necessary to the surgical technologist. Topics include, but are not limited to: scrubbing, gowning, gloving, and draping; assistance with patient care and processing of instruments and supplies. In addition, introduces the development of surgical team participation through clinical experience. Emphasis is placed on observation and/or participation in routine procedures for core and specialty surgery. Surgical specialties include: General, Cardiothoracic, Genitourinary, Neurologic, Obstetric and etc. Case Requirements: A student must complete a minimum of 120 cases as delineated below. A. General Surgery 1. A student must complete a min. of 30 cases in General Surgery. a) 20 of these cases must be performed in the 1st Scrub role. b) The remaining 10 cases may be performed in either the 1st Scrub or 2nd Scrub role. B. Specialty Surgery 1. A student must complete a min. of 90 cases in various surgical specialties, excluding General Surgery. a) A min. of 60 cases must be performed in the 1st Scrub role and distributed amongst a min. of 4 surgical specialties. 1) A min. of 10 cases in 4 different specialties must be completed in the 1st Scrub role (40 cases total). 2) The additional 20 cases in the 1st Scrub role may be distributed amongst any 1 surgical specialty or multiple surgical specialties. b) The remaining 30 cases may be performed in any surgical specialty in either the 1st Scrub or 2nd.

Revised Pre-Requisites

- Program Admission has remained a pre-req to continue allowing programs the flexibility of utilizing clinical sites as needed based upon availability within service areas.

Revised Course Learning Outcomes

- No major content changes.
- Clarification provided to the case counting and role definition competencies & learning outcomes was updated to align with updated accreditation standards.

A10- SURG 2120: Surgical Technology Clinical II

Revised Course Version

202312

Revised Course Description

Orients students to the clinical environment and provides experience with basic skills necessary to the surgical technologist. Topics include, but are not limited to: scrubbing, gowning, gloving, and draping; assistance with patient care and processing of instruments and supplies. In addition, introduces the development of surgical team participation through clinical experience. Emphasis is placed on observation and/or participation in routine procedures for core and specialty surgery. Surgical specialties include: General, Cardiothoracic, Genitourinary, Neurologic, Obstetric and etc. Case Requirements: A student must complete a minimum of 120 cases as delineated below. A. General Surgery 1. A student must complete a min. of 30 cases in General Surgery. a) 20 of these cases must be performed in the 1st Scrub role. b) The remaining 10 cases may be performed in either the 1st Scrub or 2nd Scrub role. B. Specialty Surgery 1. A student must complete a min. of 90 cases in various surgical specialties, excluding General Surgery. a) A min. of 60 cases must be performed in the 1st Scrub role and distributed amongst a min. of 4 surgical specialties. 1) A min. of 10 cases in 4 different specialties must be completed in the 1st Scrub role

(40 cases total). 2) The additional 20 cases in the 1st Scrub role may be distributed amongst any 1 surgical specialty or multiple surgical specialties. b) The remaining 30 cases may be performed in any surgical specialty in either the 1st Scrub or 2nd.

Revised Pre-Requisites

- Program Admission has remained a pre-req to continue allowing programs the flexibility of utilizing clinical sites as needed based upon availability within service areas.

Revised Course Learning Outcomes

- No major content changes.
- Clarification provided to the case counting and role definition competencies & learning outcomes was updated to align with updated accreditation standards.

A11- SURG 2130: Surgical Technology Clinical III

Revised Course Version

202312

Revised Course Description

Orients students to the clinical environment and provides experience with basic skills necessary to the surgical technologist. Topics include, but are not limited to: scrubbing, gowning, gloving, and draping; assistance with patient care and processing of instruments and supplies. In addition, introduces the development of surgical team participation through clinical experience. Emphasis is placed on observation and/or participation in routine procedures for core and specialty surgery. Surgical specialties include: General, Cardiothoracic, Genitourinary, Neurologic, Obstetric and etc. Case Requirements: A student must complete a minimum of 120 cases as delineated below. A. General Surgery 1. A student must complete a min. of 30 cases in General Surgery. a) 20 of these cases must be performed in the 1st Scrub role. b) The remaining 10 cases may be performed in either the 1st Scrub or 2nd Scrub role. B. Specialty Surgery 1. A student must complete a min. of 90 cases in various surgical specialties, excluding General Surgery. a) A min. of 60 cases must be performed in the 1st Scrub role and distributed amongst a min. of 4 surgical specialties. 1) A min. of 10 cases in 4 different specialties must be completed in the 1st Scrub role (40 cases total). 2) The additional 20 cases in the 1st Scrub role may be distributed amongst any 1 surgical specialty or multiple surgical specialties. b) The remaining 30 cases may be performed in any surgical specialty in either the 1st Scrub or 2nd.

Revised Pre-Requisites

- Program Admission has remained a pre-req to continue allowing programs the flexibility of utilizing clinical sites as needed based upon availability within service areas.

Revised Course Learning Outcomes

- No major content changes.
- Clarification provided to the case counting and role definition competencies & learning outcomes was updated to align with updated accreditation standards.

A12- SURG 2140: Surgical Technology Clinical IV

Revised Course Version

202312

Revised Course Description

Orients students to the clinical environment and provides experience with basic skills necessary to the surgical technologist. Topics include, but are not limited to: scrubbing, gowning, gloving, and draping; assistance with patient care and processing of instruments and supplies. In addition, introduces the development of surgical team participation through clinical experience. Emphasis is placed on observation and/or participation in routine procedures for core and specialty surgery. Surgical specialties include: General, Cardiothoracic, Genitourinary, Neurologic, Obstetric and etc. Case Requirements: A student must complete a minimum of 120 cases as delineated below. A. General Surgery 1. A student must complete a min. of 30 cases in General Surgery. a) 20 of these cases must be performed in the 1st Scrub role. b) The remaining 10 cases may be performed in either the 1st Scrub or 2nd Scrub role. B. Specialty Surgery 1. A student must complete a min. of 90 cases in various surgical specialties,

excluding General Surgery. a) A min. of 60 cases must be performed in the 1st Scrub role and distributed amongst a min. of 4 surgical specialties. 1) A min. of 10 cases in 4 different specialties must be completed in the 1st Scrub role (40 cases total). 2) The additional 20 cases in the 1st Scrub role may be distributed amongst any 1 surgical specialty or multiple surgical specialties. b) The remaining 30 cases may be performed in any surgical specialty in either the 1st Scrub or 2nd.

Revised Pre-Requisites

- Program Admission has remained a pre-req to continue allowing programs the flexibility of utilizing clinical sites as needed based upon availability within service areas.

Revised Course Learning Outcomes

- No major content changes.
- Clarification provided to the case counting and role definition competencies & learning outcomes was updated to align with updated accreditation standards.

A13- SURG 2240: Seminar in Surgical Technology

Revised Course Version
202312

Revised Course Description

Prepares students for entry into careers as surgical technologists and enables them to effectively prepare and sit for the national certification examination. Topics include: employability skills, management and leadership, and professional preparation.

Revised Pre-Requisites

- In order to clarify the flexibility of the programmatic admission requirements determined by each program, the following disclaimer was provided,
 - Contingent to the program layout determined by each college, programs can select one or more of the listed courses as a pre-req.
 - Program Admission remained as is.
 - SURG 1010: Introduction to Surgical Technology was added.
 - SURG 1020: Principles of Surgical Technology was added.

Revised Course Learning Outcomes

- No major content changes.
- Revisions made to verbiage to align with curriculum outlined by the accreditation organization.