

CHESAPEAKE COLLEGE SURGICAL TECHNOLOGY PROGRAM COURSE SYLLABUS



SGT 125 INTRODUCTION TO HEALTHCARE & SURGICAL SERVICES

COURSE DESCRIPTION

This course is an introduction to healthcare and surgical services. It provides students with an introductory-level understanding of healthcare delivery systems as they relate to surgical technology. Topics include roles and responsibilities, physical design needs, potential hazards, and safety issues. Patient care issues, including moral, legal, ethical, spiritual, and psychological needs, will be covered. Professional organizations and available credentialing options will be explored.

Credit Hours: 3

Clock Hours: 45

Prerequisite(s) Program admission
Summer courses

Co-requisite(s):

INSTRUCTOR INFORMATION

Karen Jones, CST, AS, Surgical Technology Program Director,
Specific office hours are available by appointment.
kjones@chesapeake.edu.

COURSE GOALS

- ❖ Provide knowledge about the healthcare delivery system and the role of the surgical technologist.
- ❖ Introduce patient care using safe, legal, and professional techniques.

METHODS OF INSTRUCTION

Lecture, audiovisual, and online activities, discussions, assignments, and lab activities

METHODS OF EVALUATION

Component	Percentage
Exams/Quizzes	35%
Presentation Project	25%
Assignments & Workbook	20%
Final Exam	20%

Late Assignment Policy

- 1 day late: 10% deduction from the final assignment grade
- 2 days late: 20% deduction from the final assignment grade
- More than 3 days late: Not accepted

All late submissions are calculated based on the original due date and time. It is the student's responsibility to communicate with the instructor in advance if an extension is needed due to extenuating circumstances. Exceptions may be granted only with prior approval and appropriate documentation

STUDENT LEARNING OUTCOMES

- ❖ Identify the components of the healthcare delivery system.
- ❖ Discuss and illustrate safe, legal, and professional patient care.
- ❖ Demonstrate effective verbal and non-verbal communication skills.
- ❖ Explain, demonstrate, or review hazard precaution preparation.

REQUIREMENTS FOR SATISFACTORY COURSE COMPLETION

- ❖ Students must comply with all policies as defined in the Surgical Technology Program Handbook and the Chesapeake College Student Handbook and College Catalog, including but not limited to
- ❖ attendance, academic integrity, safety, patient privacy, professional behavior, and clinical performance expectations.
- ❖ Students must achieve 75% or better in this course to complete the program

REQUIRED MATERIALS

- ❖ Cengage. *Cengage Unlimited Access* – we use
- ❖ Phillips, NancyMarie. *Berry & Kohn's Operating Room Technique, 15th Edition* St. Louis: Elsevier- ISBN- 978044119699
- ❖ Access to Canvas

GRADING SCALE

Percentage	Grade
92-100%	A
91-83%	B
82-75%	C
74-65%	D
Below	F

Successful course completion requires a final grade of 75% or better.

CLASSROOM AND LABORATORY EXPECTATIONS

It is the philosophy of the Chesapeake College Surgical Technology Program to foster a learning environment that is respectful and safe for all students while providing classroom and laboratory experiences that thoroughly prepare students for entry into clinical assignments and then into employment as working Certified Surgical Technologists.

Students are expected to arrive on time for each class and/or laboratory exercise and be ready to participate at the scheduled time.

Students are expected to:

- ❖ Arrive to class prepared, having completed any preparatory assignments/reading
- ❖ Participate in class discussions actively
- ❖ Demonstrate respect for faculty and fellow students- remaining awake, attentive, and engaged, respecting the learning styles of others, and utilizing professional, courteous behaviors

During laboratory and simulation experiences, in addition to the above expectations, students are expected to:

- ❖ Conform to attire, grooming, and personal protective equipment requirements exactly as written for clinical facilities
- ❖ Exhibit behaviors precisely as written for clinical facilities

Failure to arrive on scheduled laboratory/simulation days with appropriate attire and grooming or entering the lab without appropriate PPE constitutes an absence. See the Attendance Policy for further information.

ATTENDANCE POLICY

The nature of the Surgical Technology Program requires that students' learning and skills be developed based on foundational concepts taught in previous educational experiences. Missed classes, laboratory and simulation experiences, and clinical rotations are difficult to re-create. Attendance is paramount to success in the program. The following policies apply to each course if multiple courses are taught daily.

Attendance Policy – Surgical Technology Program

Attendance is essential to your success in this program, as every day includes critical lab, class, and clinical instruction. Due to the intensive and hands-on nature of the curriculum, the following attendance policy will be strictly enforced:

Summer and Winter Semesters (Short Terms)

- 1 absence permitted without penalty.
- 2nd absence will result in a 3% reduction from your overall course grade.
- 3rd absence will result in a 10% reduction on your overall course grade
- 4th absence may result in removal from the program.

Note: Short-term move at an accelerated pace. Missing class or lab instruction can significantly impact your readiness.

Fall and Spring Semesters (Full Terms)

- 2 absences permitted without penalty.
 - If one of the absences is a clinical day, it must be made up. Make-up time may be scheduled during breaks (e.g., spring break, Christmas holiday).
- 3rd absence will result in a 3% reduction from your overall course grade.
- 4th absence may result in removal from the program.

Note: Clinical absences must be coordinated in advance when possible. Excessive absenteeism not only impacts your grade but may jeopardize your standing in the program.

Attendance and Punctuality Policy – Surgical Technology Program

Attendance and punctuality are essential to your success in this program. Every session includes critical lab, class, or clinical instruction that cannot be replicated outside of scheduled hours.

Summer and Winter Semesters (Short Terms)

- 1 absence permitted without penalty.
- 2nd absence will result in a 3% reduction on your final course grade.
- 3rd absence may result in removal from the program.

Fall and Spring Semesters (Full Terms)

- 2 absences permitted without penalty.
 - If one of the absences is a clinical day, it must be made up. Make-up time may be scheduled during official breaks (e.g., spring break, Christmas holiday).
- 3rd absence will result in a 3% reduction from your final course grade.
- 4th absence will result in a 10% reduction on your overall course grade
- 5th absence may result in removal from the program.

Lateness Policy

- Students are expected to arrive on time for all classes, lab, and clinical experiences.
- Arriving more than 5 minutes late will be recorded as a lateness.
- After 3 instances of lateness, a 3% reduction will be applied to your final course grade.
- Clinical lateness may result in being denied participation for the day due to hospital policies and time-sensitive procedures.
- After 4 instances of lateness, the student may be removed from the program.

SUPPORT/POLICIES

Please refer to the Support/Policies tab in the navigation menu on the left side of your Canvas course page to view the College's policies regarding Accessibility/Disability Services, Title IX, Academic Dishonesty, the Emergency Management Plan, and other guiding statements that support student success.

COURSE FORMAT

The knowledge and skills in this course are cumulative and will be utilized throughout the entire program. Applying the skills and concepts presented in this course is integral to ensuring patient safety in the operative environment. This course may include assignments, projects, discussions, and quizzes. It will conclude with a final examination.

CODE OF CONDUCT

<https://www.chesapeake.edu/students/student-code-of-conduct>

TOPIC OVERVIEW

Professionalism and the Surgical Technologist

- Characteristics of the professional surgical technologist
 - Personal and professional behaviors (Aeger Primo, critical thinking, surgical conscience)
 - Supporting the profession (e.g., AST membership)
 - Participation in professional development
 - Mentorship and role modeling
 - Ethical behavior and service to others
- Professional organizations and credentialing
 - AST, ARC/STSA, NBSTSA

- Certification (CST)
- Continuing education and recertification requirements

Communication and Teamwork

- Communication Goals, Principles, and Types of Relationships
- Conflict Management, Resolution, and Problem Solving
- Principles of Teamwork

Healthcare Delivery System

- Overview of healthcare delivery
- Healthcare Facility Organization and Management
- Types of healthcare institutions and surgical services

Introduction to Surgical Services and Perioperative Care

- Introduction to the Operating Room
- Principles of Surgical Suite Layouts
- Medical Offices and Stand-Alone Surgery Centers
- Documentation Concepts/Chart Review/Information Technology

Patient Rights and Safety

- AHA Patient Care Partnership
- Patient Identification and Transportation
- Legal Terminology and Doctrines
- Types of Consent/Surgical Consent
- Sentinel Events – Surgical Services, Risk Management

Ethics, Law, and the Surgical Technologist

- Legal responsibilities and scope of practice
- Ethical Conflicts in Clinical Practice
- Ethical Issues in Surgery
- Surgical Conscience and Patient Advocacy
- Death and Dying in the Surgical Patient

Credentialing and Continuing Education

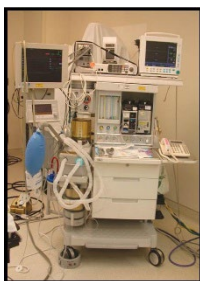
- National certification through NBSTSA
- Importance of maintaining certification

- Role of continuing education and participation in AST

Additional Core Curriculum Competencies (from Core Curriculum pages 84–95)

- Traits and expectations for surgical technologists
- Contributions to community and professional settings
- Importance of certification and lifelong learning
- Comparison of professional organizations and their roles
- Service-learning and volunteerism in healthcare settings

CHESAPEAKE COLLEGE SURGICAL TECHNOLOGY PROGRAM COURSE SYLLABUS



SGT 127

SURGICAL PHARMACOLOGY

COURSE DESCRIPTION

This course introduces surgical pharmacology. General principles of pharmacology and anesthesia as they relate to the surgical technologist within the operative environment will be addressed. Topics include drug sources, abbreviations, and medical terminology related to pharmacology and anesthesia, classifications and regulatory issues, indications and contraindications for use, complications, adverse reactions, drug interactions, routes of administration, relevant anatomy and physiology, dosage calculation, and medication handling by the surgical technologist. Emphasis on the relationship of the drug to the surgical patient during the pre-, intra-, and postoperative phases will be highlighted. A basic understanding of anesthesia and anesthetic application will be included

2 credits, one hour of

Credit Hours: 2

Clock Hours: 90

Prerequisite(s): Fall courses

Co-requisite(s): Fall courses

INSTRUCTOR INFORMATION

Karen Jones, CST, AS, Surgical Technology Program Director

kjones@chesapeake.edu

Specific office hours are available by appointment

COURSE GOALS

- ❖ Provide the knowledge necessary for the student to be able to recognize common medications used in the surgical setting and identify their uses, methods of administration, contraindications, drug interactions, and common side effects
- ❖ Provide the student with the proper passing and labeling techniques for surgical medications

METHODS OF INSTRUCTION

Lecture, audiovisual and online activities, discussions, assignments, and laboratory activities

METHODS OF EVALUATION

Component	Percentage
Exams/Quizzes	35%
Presentation Project	25%
Assignments	20%
Final Exam	20%

Late Assignment Policy

- 1 day late: 10% deduction from the final assignment grade
- 2 days late: 20% deduction from the final assignment grade
- More than 3 days late: Not accepted

All late submissions are calculated based on the original due date and time. It is the student's responsibility to communicate with the instructor in advance if an extension is needed due to extenuating circumstances.

Exceptions may be granted only with prior approval and appropriate documentation

STUDENT LEARNING OUTCOMES

- ❖ Analyze the principles of anesthesia administration, as well as be able to explain the necessity of each component of anesthesia preparation for the surgical patient
- ❖ Compare and contrast methods, agents, and techniques of anesthesia administration and preparation
- ❖ Correlate anesthesia monitoring devices with patient homeostasis
- ❖ Explain anesthesia complications and interventions during pre-, intra- and postoperative care
- ❖ Calculate medication conversions and dosages
- ❖ Apply general terminology and medications to medication use
- ❖ Prepare and manage medications and solutions
- ❖ Identify medications used in the care of the surgical patient during the pre-, intra-, and postoperative phases

REQUIREMENTS FOR SATISFACTORY COURSE COMPLETION

- ❖ Students must comply with all policies as defined in the Surgical Technology Program Handbook and the Chesapeake College Student Handbook and College Catalog, including but not limited to attendance, academic integrity, safety, patient privacy, professional behavior, and clinical performance expectations.
- ❖ Students must complete all practical evaluations and skills assessments successfully and safely in a maximum of 3 attempts to complete this course and continue studying in the surgical technology program.
- ❖ Students must achieve a 75% or better in this course to complete the program.

REQUIRED TEXTBOOKS

- ❖ Cengage. *Cengage Unlimited Access. 18th Edition*: ISBN: 978-0-357-10005-1
- ❖ Phillips, Nancymarie. *Berry & Kohn's Operating Room Technique, 15th Edition* St. Louis: Elsevier
- ❖

GRADING SCALE

Percentage	Grade
92-100%	A
91-83%	B
82-75%	C
74-65%	D
Below	F

Successful course completion requires a final grade of 75% or better.

CLASSROOM AND LABORATORY EXPECTATIONS

It is the philosophy of the Chesapeake College Surgical Technology Program to foster a learning environment that is respectful and safe for all students while providing classroom and laboratory experiences that thoroughly prepare students for entry into clinical assignments and then into employment as working Certified Surgical Technologists.

Students are expected to arrive on time for each class and/or laboratory exercise and be ready to participate at the scheduled time.

Students are expected to:

- ❖ Arrive to class prepared, having completed any preparatory assignments/reading
- ❖ Participate in class discussions actively
- ❖ Demonstrate respect for faculty and fellow students- remaining awake, attentive, and engaged, respecting the learning styles of others, and utilizing professional, courteous behaviors

During laboratory and simulation experiences, in addition to the above expectations, students are expected to:

- ❖ Conform to attire, grooming, and personal protective equipment requirements exactly as written for clinical facilities
- ❖ Exhibit behaviors precisely as written for clinical facilities

Failure to arrive on scheduled laboratory/simulation days with appropriate attire and grooming or entering the lab without appropriate PPE constitutes an absence. See the Attendance Policy for further information.

ATTENDANCE POLICY

The nature of the Surgical Technology Program requires that students' learning and skills be developed based on foundational concepts taught in previous educational experiences. Missed classes, laboratory and simulation experiences, and clinical rotations are difficult to re-create. Attendance is paramount to success in the program. The following policies apply to each course if multiple courses are taught daily.

Attendance Policy – Surgical Technology Program

Attendance is essential to your success in this program, as every day includes critical lab, class, and clinical instruction. Due to the intensive and hands-on nature of the curriculum, the following attendance policy will be strictly enforced:

Summer and Winter Semesters (Short Terms)

- 1 absence permitted without penalty.
- 2nd absence will result in a 3% reduction from your overall course grade.
- 3rd absence will result in a 10% reduction on your overall course grade
- 4th absence may result in removal from the program.

Note: Short-term move at an accelerated pace. Missing class or lab instruction can significantly impact your readiness.

Fall and Spring Semesters (Full Terms)

- 2 absences permitted without penalty.
 - If one of the absences is a clinical day, it must be made up. Make-up time may be scheduled during breaks (e.g., spring break, Christmas holiday).
- 3rd absence will result in a 3% reduction from your overall course grade.
- 4th absence may result in removal from the program.

Note: Clinical absences must be coordinated in advance when possible. Excessive absenteeism not only impacts your grade but may jeopardize your standing in the program.

Attendance and Punctuality Policy – Surgical Technology Program

Attendance and punctuality are essential to your success in this program. Every session includes critical lab, class, or clinical instruction that cannot be replicated outside of scheduled hours.

Summer and Winter Semesters (Short Terms)

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- 3rd absence will result in a 10% reduction on your final course grade and/or may result in removal from the program.

Fall and Spring Semesters (Full Terms)

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 - If one of the absences is a clinical day, it must be made up. Make-up time may be scheduled during official breaks (e.g., spring break, Christmas holiday).
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- 4th absence will result in a 10% reduction on your overall course grade
- 5th absence may result in removal from the program.

Lateness Policy

- Students are expected to arrive on time for all classes, lab, and clinical experiences.
- Arriving more than 5 minutes late will be recorded as a lateness.
- After 3 instances of lateness, a 3% reduction will be applied to your final course grade.
- Clinical lateness may result in being denied participation for the day due to hospital policies and time-sensitive procedures.
- After 4 instances of lateness, the student may be removed from the program.

SUPPORT/POLICIES

Please refer to the Support/Policies tab in the navigation menu on the left side of your Canvas course page to view the College's policies regarding

Accessibility Accommodations, Title IX, Academic Dishonesty, the Emergency Management Plan, and other guiding statements that support student success

COURSE FORMAT

This course is divided into three units as listed below. Knowledge and skills in the course are cumulative and will be utilized throughout the entire program. Application of skills and concepts presented in this course are an integral part of ensuring patient safety in the operative environment. Practical and simulation exercises will be incorporated with course content and may be provided in combination with other courses in the program. Each unit will conclude with an exam. Each module will include a homework assignment

and may include written and/or quiz or practical skills assessment. The course will conclude with a final examination.

CODE OF CONDUCT

<https://www.chesapeake.edu/students/student-code-of-conduct>

TOPIC OVERVIEW

- ❖ Introduction
 - Basic Pharmacology Concepts and Terminology
 - Medication Development and Regulations
 - Pharmacology Mathematics
 - Medication Administration
- ❖ Applied Surgical Pharmacology
 - Antibiotics
 - Diagnostic Agents, Stains, and Dyes
 - Diuretics
 - Hormones, Ophthalmic Medications, and Antineoplastics
 - Medications that Affect Coagulation
 - Fluids and Irrigation
- ❖ Anesthesia
 - Preoperative Medications
 - Patient Monitoring, Local and Regional Anesthesia
 - General Anesthesia
 - Emergency Situations

Each student will prepare a presentation to the class exploring a relevant issue in surgical pharmacology near the end of the semester. Presentations will be graded by instructors and fellow students.

CHESAPEAKE COLLEGE SURGICAL TECHNOLOGY PROGRAM COURSE SYLLABUS



SGT 126 SURGICAL TECHNIQUES I

COURSE DESCRIPTION

This course introduces surgical techniques, including aseptic techniques and infection control, surgical instrumentation and equipment, instrument and equipment cleaning and sterilization methods, chemical disinfection, and environmental sanitation. The sequencing and principles of preoperative, intraoperative, and postoperative care will be introduced, highlighting the responsibilities of the surgical technologist, circulator, and scrub roles. Common illnesses and emergency situations will be discussed. One hour of lecture and four hours of laboratory per week.

Credit Hours: 3

Clock Hours: 150

Prerequisite(s) Program admission
SGT128, SGT125

Co-requisite(s):

INSTRUCTOR INFORMATION

Karen Jones, CST, AS, Surgical Technology Program Director
kjones@chesapeake.edu

Specific office hours are available by appointment.

COURSE GOALS

- ❖ Understand the principles of prevention of contamination and transmission of microorganisms.
- ❖ Introduction to principles enabling students to provide safe, legal, moral, and ethical perioperative care.

METHODS OF INSTRUCTION

Lecture, audiovisual, and online activities, discussions, assignments, and lab activities

METHODS OF EVALUATION

Component	Percentage
Exams/Quizzes	35%
Presentation Project	25%
Assignments	20%
Skills	Pass or Fail
Final	20%

Late Assignment Policy

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STUDENT LEARNING OUTCOMES

- ❖ Identify the principles of sterile and aseptic techniques in the surgical environment.
- ❖ Demonstrate correct sterile technique during the preoperative, intraoperative, and postoperative phases of the surgical procedure.
- ❖ Explain the relationship between instrument type and usage.

REQUIREMENTS FOR SATISFACTORY COURSE COMPLETION

- ❖ Students must comply with all policies as defined in the Surgical Technology Program Handbook and the Chesapeake College Student Handbook and College Catalog, including but not limited to attendance, academic integrity, safety, patient privacy, professional behavior, and clinical performance expectations.
- ❖ Students must complete all practical evaluations and skills assessments successfully to complete this course and continue study in the surgical technology program regardless of academic performance.

REQUIRED MATERIALS

- ❖ Cengage. *Cengage Unlimited Access, 18th Edition*.
- ❖ Phillips, Nancymarie. *Berry & Kohn's Operating Room Technique, 15th Edition* St. Louis: Elsevier ISBN: 978-0-323-39926-5

GRADING SCALE

Percentage	Grade
92-100%	A
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Successful course completion requires a final grade of 75% or better.

CLASSROOM AND LABORATORY EXPECTATIONS

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ATTENDANCE POLICY

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Summer and Winter Semesters (Short Terms)

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- 2nd absence will result in a 3% reduction from your overall course grade.
- 3rd absence will result in a 10% reduction on your overall course grade
- 4th absence may result in removal from the program.

Note: Short-term move at an accelerated pace. Missing class or lab instruction can significantly impact your readiness.

Fall and Spring Semesters (Full Terms)

- 2 absences permitted without penalty.
 - If one of the absences is a clinical day, it must be made up. Make-up time may be scheduled during breaks (e.g., spring break, Christmas holiday).
- 3rd absence will result in a 3% reduction from your overall course grade.
- 4th absence may result in removal from the program.

Note: Clinical absences must be coordinated in advance when possible. Excessive absenteeism not only impacts your grade but may jeopardize your standing in the program.

Attendance and Punctuality Policy – Surgical Technology Program

Attendance and punctuality are essential to your success in this program. Every session includes critical lab, class, or clinical instruction that cannot be replicated outside of scheduled hours.

Summer and Winter Semesters (Short Terms)

- 1 absence permitted without penalty.
- 2nd absence will result in a 3% reduction on your final course grade.
- 3rd absence will result in a 10% reduction on your final course grade and /or may result in removal from the program.

Fall and Spring Semesters (Full Terms)

- 2 absences permitted without penalty.
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Lateness Policy

- Students are expected to arrive on time for all classes, lab, and clinical experiences.
- Arriving more than 5 minutes late will be recorded as a lateness.
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- Clinical lateness may result in being denied participation for the day due to hospital policies and time-sensitive procedures.
- After 4 instances of lateness, the student may be removed from the program.

SUPPORT/POLICIES

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COURSE FORMAT

The knowledge and skills in this course are cumulative and will be utilized throughout the entire program. Applying the skills and concepts presented in this course is integral to ensuring patient safety in the operative environment. Practical and simulation exercises will be incorporated with course content and may be provided in combination with other courses in

the program. The course may include assignments, projects, discussions, and quizzes, and may conclude with a final examination. This course will have a skills assessment.

CODE OF CONDUCT

<https://www.chesapeake.edu/students/student-code-of-conduct>

TOPIC OVERVIEW

- ❖ Introduction to the Operative Environment
 - Terminology
 - Surgical Equipment
 - Principles of Asepsis
 - Defining a Sterile Field
 - Environmental disinfection of the Operating Room
- ❖ Roles and Responsibilities of the Surgical Technologist
 - Preoperative Roles and Responsibilities
 - Intraoperative Roles and Responsibilities
 - Postoperative Roles and Responsibilities
- ❖ Attire and Hand Washing
 - Hand Hygiene
 - Basic Surgical Technologist Attire
 - Surgical Scrub
 - Self-Gowning and Gloving
 - Gowning and Gloving Others
- ❖ Patient Transfer and Preparation
 - Patient Transfer
 - Body Mechanics
 - Patient Positioning
 - Urinary Catheterization Management
 - Skin Preparation
- ❖ Counting and Instrumentation

- Instrumentation
- Methods of Disinfection and Sterilization of Instruments
- Sterile Storage and Distribution of Supplies
- Methods and Techniques for Surgical Counts
- Legal Requirements for Surgical Counts
- ❖ Assistant Circulator
 - Preoperative Roles and Responsibilities
 - Intraoperative Roles and Responsibilities
 - Postoperative Roles and Responsibilities
- ❖ Hemostasis, Abdominal Anatomy, and Specimen Handling
 - Emergency Situations and Hemostasis
 - Anatomy of the Abdomen and Abdominal Wall
 - Specimen Handling and Care

CHESAPEAKE COLLEGE SURGICAL TECHNOLOGY PROGRAM COURSE SYLLABUS



SGT 129

SURGICAL PRACTICUM I CLINICAL

COURSE DESCRIPTION

Beginning-level practice of operating room procedures, including application of basic laboratory skills in an operating room setting. Applied skills include scrubbing, gowning, gloving, setting up, instrument handling, and anticipation of needs with increased organization, speed, and manual dexterity.

Clinical Requirements: 25 clinical contact clock hours per week, not to exceed 375 hours a semester

Credit Hours: 5

Clock Hours: 360

Prerequisite(s) –125,126,128 Courses

Corequisite(s) 127,

Fall Courses

INSTRUCTOR INFORMATION

Karen Jones, CST, AS, Surgical Technology Program Director,
kjones@chesapeake.edu. Specific office hours are available by appointment.

COURSE GOALS

- ❖ Introduction of all aspects of the surgical procedure in the surgical setting
- ❖ Introduction to scrub roles: Observation, Second Scrub, First Scrub

METHODS OF INSTRUCTION

Clinical and practical experience and evaluation; online discussion, assignments, and quizzes. Late submissions are not accepted

METHODS OF EVALUATION

Component	Percentage
Clinical Documentation	35%
Preceptor Evaluations	20%
Instructor Evaluations	30%
Assignments	15%

Late Assignment Policy

- 1 day late: 10% deduction from the final assignment grade
- 2 days late: 20% deduction from the final assignment grade
- More than 3 days late: Not accepted

All late submissions are calculated based on the original due date and time. It is the student's responsibility to communicate with the instructor in advance if an extension is needed due to extenuating circumstances. Exceptions may be granted only with prior approval and appropriate documentation

STUDENT LEARNING OUTCOMES

- ❖ Apply universal precautions to the performance of perioperative case management activities
- ❖ Demonstrate methods utilized to analyze and plan for the needs of the surgical case
- ❖ Describe the function of the physical components of the operating room furniture and equipment
- ❖ Demonstrate techniques for preparing the sterile field and select the surgical instruments and supplies for the procedure.
- ❖ Demonstrate the methods for monitoring the sterile field
- ❖ Execute placing and securing supplies and equipment for use on the sterile field
- ❖ Manipulate with guidance the procedures for draping of the surgical field and surgical patient
- ❖ Demonstrate postoperative case management duties
- ❖ Assess and anticipate the needs of the surgical team

REQUIREMENTS FOR SATISFACTORY COURSE COMPLETION

- ❖ Students must comply with all policies as defined in the Surgical Technology Program Handbook and the Chesapeake College Student Handbook and College Catalog, including but not limited to attendance, academic integrity, safety, patient privacy, professional behavior, and clinical performance expectations.
- ❖ Students must achieve a 75% or better in this course in order to complete the program.
- ❖ Students must successfully continue clinical rotations as scheduled until the end of the semester as defined by the academic/course calendar regardless of the number of cases completed.
- ❖ Additional hours may be assigned as appropriate for student benefit.
- ❖ Appropriate record-keeping is the responsibility of the student.

REQUIRED MATERIALS

- ❖ Cengage. *Cengage Unlimited Access, 18th*
- ❖ Phillips, Nancy Marie. *Berry & Kohn's Operating Room Technique, 13th Edition* St. Louis: Elsevier ISBN: 978-0-323-39926-5
- ❖ Rothrock, Jane. *Alexander's Surgical Procedures* St. Louis: Elsevier ISBN: 978-0-323-07555-8

❖ Trajecsyst – <https://www.trajecsyst.com/>

GRADING SCALE

Percentage	Grade
92-100%	A
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Below	F

Successful course completion requires a final grade of 75% or better.

CLASSROOM AND LABORATORY EXPECTATIONS

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Students are expected to:

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- ❖ Participate in class discussions actively
- ❖ Demonstrate respect for faculty and fellow students- remaining awake, attentive, and engaged, respecting the learning styles of others, and utilizing professional, courteous behaviors

During laboratory and simulation experiences, in addition to the above expectations, students are expected to:

- ❖ Conform to attire, grooming, and personal protective equipment requirements exactly as written for clinical facilities
- ❖ Exhibit behaviors precisely as written for clinical facilities

Failure to arrive on scheduled laboratory/simulation days with appropriate attire and grooming or entering the lab without appropriate PPE constitutes an absence. See the Attendance Policy for further information.

ATTENDANCE POLICY

The nature of the Surgical Technology Program requires that students' learning and skills be developed based on foundational concepts taught in previous educational experiences. Missed classes, laboratory and simulation experiences, and clinical rotations are difficult to re-create. Attendance is paramount to success in the program. The following policies apply to each course if multiple courses are taught daily.

Attendance Policy – Surgical Technology Program

Attendance is essential to your success in this program, as every day includes critical lab, class, and clinical instruction. Due to the intensive and hands-on nature of the curriculum, the following attendance policy will be strictly enforced:

Summer and Winter Semesters (Short Terms)

- 1 absence permitted without penalty.
- 2nd absence will result in a 3% reduction from your overall course grade.
- 3rd absence will result in a 10% reduction on your overall course grade
- 4th absence may result in removal from the program.

Note: Short-term move at an accelerated pace. Missing class or lab instruction can significantly impact your readiness.

Fall and Spring Semesters (Full Terms)

- 2 absences permitted without penalty.
 - If one of the absences is a clinical day, it must be made up. Make-up time may be scheduled during breaks (e.g., spring break, Christmas holiday).
- 3rd absence will result in a 3% reduction from your overall course grade.
- 4th absence may result in removal from the program.

Note: Clinical absences must be coordinated in advance when possible. Excessive absenteeism not only impacts your grade but may jeopardize your standing in the program.

Attendance and Punctuality Policy – Surgical Technology Program

Attendance and punctuality are essential to your success in this program. Every session includes critical lab, class, or clinical instruction that cannot be replicated outside of scheduled hours.

Summer and Winter Semesters (Short Terms)

- 1 absence permitted without penalty.
- 2nd absence will result in a 3% reduction on your final course grade.
- 3rd absence will result in a 10% reduction on your final course grade and/or may result in removal from the program.

Fall and Spring Semesters (Full Terms)

- 2 absences permitted without penalty.
 - If one of the absences is a clinical day, it must be made up. Make-up time may be scheduled during official breaks (e.g., spring break, Christmas holiday).
- 3rd absence will result in a 3% reduction from your final course grade.
- 4th absence will result in a 10% reduction on your overall course grade
- 5th absence may result in removal from the program.

Lateness Policy

- Students are expected to arrive on time for all classes, lab, and clinical experiences.
- Arriving more than 5 minutes late will be recorded as a lateness.
- After 3 instances of lateness, a 3% reduction will be applied to your final course grade.
- Clinical lateness may result in being denied participation for the day due to hospital policies and time-sensitive procedures.
- After 4 instances of lateness, the student may be removed from the program.

SUPPORT/POLICIES

Please refer to the Support/Policies tab in the navigation menu on the left side of your Canvas course page to view the College's policies regarding Accessibility Accommodations, Title IX, Academic Dishonesty, the Emergency Management Plan, and other guiding statements that support student success.

DEFINING ROLES OF THE STUDENT IN THE CLINICAL SETTING

All students will participate in the clinical setting under the direct supervision of a qualified preceptor. These roles can be categorized into First Scrub, Second Scrub, and Observation.

First Scrub Role (FS):

- ❖ Documents the surgical case
- ❖ Verifies supplies and equipment
- ❖ Sets up the sterile field, including instruments, medications, and supplies
- ❖ Performs operative counts according to AST guidelines and facility policies
- ❖ Passes instruments and supplies, anticipating the surgeon's needs
- ❖ Maintains sterile technique throughout the procedure
- ❖ Recognizes and corrects sterility breaks

- ❖ Documents surgical events as needed

Second Scrub Role (SS):

- ❖ Assists with the surgical procedure while actively participating in various tasks, such as:
 - Assisting with diagnostic endoscopy
 - Assisting with vaginal delivery
 - Cutting suture
 - Providing camera assistance
 - Retracting, sponging, and suctioning
- ❖ Students in this role may not yet meet all the criteria for the First Scrub role.

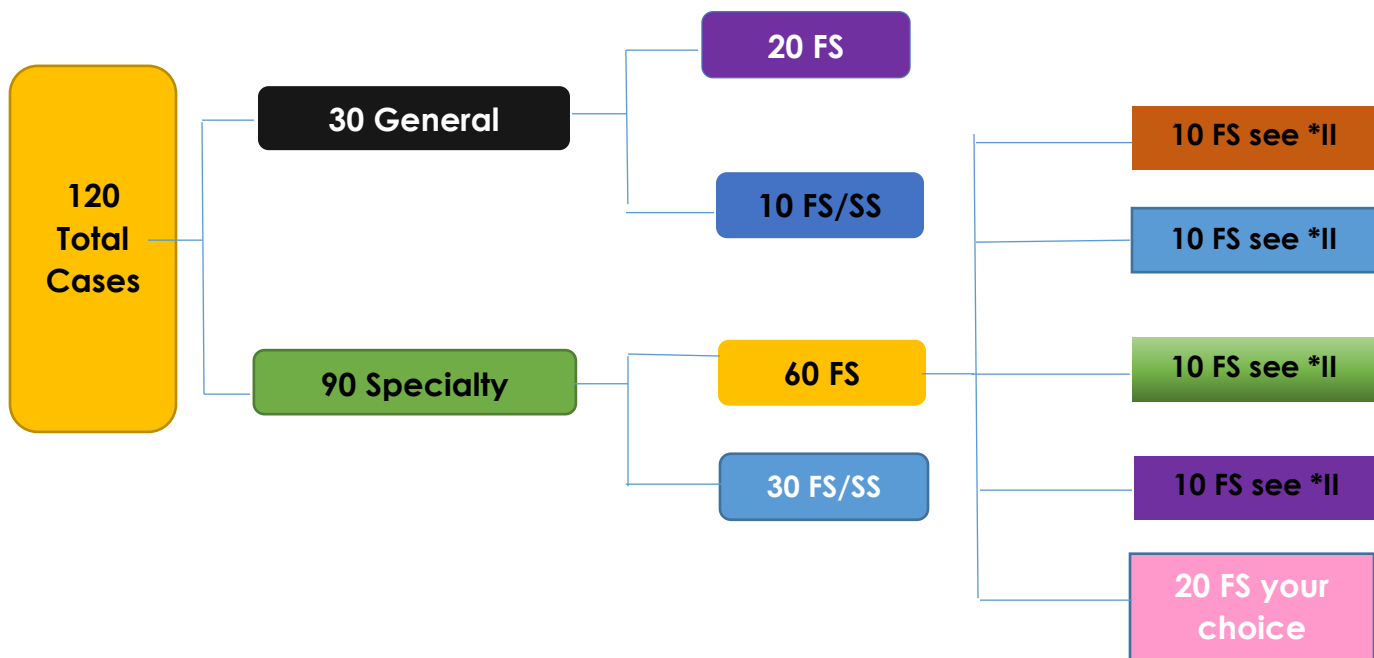
Observation Role (O):

- ❖ Observes a surgical case in either a sterile or non-sterile environment.
- ❖ Observation cases cannot be counted towards the required case minimum but must still be documented.
- ❖ Students in this role have not yet met the criteria for the First or Second Scrub roles.

SURGICAL CASE REQUIREMENTS

Program completion is mandatory prior to certification examination. It is the goal of this program to ensure that students are fully prepared to enter the workforce with a well-rounded and extensive clinical and instructional background. Students are required to participate in the entire schedule of clinical rotations as dictated by the academic/course calendar after minimum requirements are met in order to attain program completion as stated above in Requirements for Course Completion

A student must complete a minimum of 120 cases as delineated below in the diagram.



CASE DOCUMENTATION USING TRAJESYS CLINICAL RECORDKEEPING SYSTEM

Operating Room Clinical Evaluation – Students are required to have an evaluation completed from each preceptor they are assigned to in the course of a day.

Verification of Surgical Procedure – Students are required to maintain a list of cases. They need a preceptors' electronic signature to verify the student's presence and position (S1 or S2) for each case.

Devices used for clocking in and out – location settings must be activated on the device used by the student to record time.

Cases that are not verified with a signature cannot be counted.

Students have other documentation they will be submitting. Withholding, falsifying, and/or altering clinical documentation is grounds for immediate dismissal from the program

EXPECTATIONS

Students are expected to follow Chesapeake College Program policies and facility policies at all times. Although policies vary by facility, students are accountable for their behavior while participating in clinical rotations. In general, the Surgical Technology program strives to require a standard of behavior that exceeds expectations at all clinical sites.

In the event that a student is removed, faculty will make every effort to find an alternative site for clinical placement if the student's behavior and performance are deemed appropriate for continuation in the program. However, alternative placement is not guaranteed. Clinical placement is based on a wide variety of factors, and student preferences or requests are very rarely honored.

Students are not permitted to participate in any patient care activities unless they are directly supervised. Students are not permitted to scrub in alone on; case-preceptors must be scrubbed in while procedures are underway. Students are not permitted to act as employees in any capacity while attending clinical rotations.

Students are not permitted to be in attendance at clinical facilities outside of scheduled times. Visiting clinical facilities without specific prior authorization from program faculty is strictly prohibited

CHESAPEAKE COLLEGE SURGICAL TECHNOLOGY PROGRAM COURSE
SYLLABUS



SGT 128

SURGICAL SPECIALTIES I

COURSE DESCRIPTION

A course to study surgical procedures. Students will be introduced to General, OB/GYN, Genitourinary, Orthopedic, and Plastics/Reconstructive Surgery. Included in the presentations will be indications, outcomes, anatomy, physiology, and pathophysiology.

4 credits [SUMMER] Four hours of lecture per week.

Credit Hours: 4

Clock Hours: 60

Prerequisite(s) Program admission
SGT125, SGT126

Co-requisite(s):

INSTRUCTOR INFORMATION

Karen Jones, CST, AS, Surgical Technology Program Director
kjones@chesapeake.edu

Specific office hours are available by appointment.

COURSE GOALS

- ❖ Expand student knowledge of anatomy, physiology, and pathophysiology of the systems involved in a surgical procedure

- ❖ Provide the knowledge to determine the surgical category of a procedure

METHODS OF INSTRUCTION

Lecture, audiovisual and online activities, discussions, and assignments

METHODS OF EVALUATION

Component	Percentage
Exams/Quizzes	35%
Presentation Project	25%
Assignments	25%
Final Exam	15%

Late Assignment Policy

- 1 day late: 10% deduction from the final assignment grade
- 2 days late: 20% deduction from the final assignment grade
- More than 3 days late: Not accepted

All late submissions are calculated based on the original due date and time. It is the student's responsibility to communicate with the instructor in advance if an extension is needed due to extenuating circumstances. Exceptions may be granted only with prior approval and appropriate documentation

STUDENT LEARNING OUTCOMES

- ❖ Identify anatomy, physiology, and pathophysiology of the system involved with a procedure.
- ❖ Explain indications and expected outcomes of a surgical procedure.
- ❖ Explain the correct order of steps taken during a surgical procedure.
- ❖ List the supplies, equipment, and instrumentation needed for a procedure.
- ❖ Discuss specific factors that are unique to a surgical procedure, wound classification, and wound management.

REQUIREMENTS FOR SATISFACTORY COURSE COMPLETION

- ❖ Students must comply with all policies as defined in the Surgical Technology Program Handbook and the Chesapeake College Student Handbook and College Catalog, including but not limited to attendance, academic integrity, safety, patient privacy, professional behavior, and clinical performance expectations.
- ❖ Students must achieve a 75% or better in this course to complete the program.

REQUIRED MATERIALS

- ❖ Cengage. *Cengage Unlimited Access*,
- ❖ Phillips, Nancymarie. *Berry & Kohn's Operating Room Technique, 15th Edition* St. Louis: Elsevier
- ❖ Rothrock, Jane and Alexander, Sherri. *Alexander's Surgical Procedures* St. Louis: Elsevier ISBN: 978-0-323-07555-8

GRADING SCALE

Percentage	Grade
92-100%	A
91-83%	B
82-75%	C
74-65%	D
Below	F

Successful course completion requires a final grade of 75% or better

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COURSE FORMAT

Knowledge and skills in this course are cumulative and will be utilized throughout the entire program. Applying skills and concepts presented in this course is an integral part of ensuring patient safety in the operative environment. This course may include assignments, projects, discussions, and quizzes. It may conclude with a final examination.

CODE OF CONDUCT

<https://www.chesapeake.edu/students/student-code-of-conduct>

TOPIC OVERVIEW

SURGICAL PROCEDURES – DIDACTIC

GENERAL

Content:

- I. Gastrointestinal
- II. A. Approach
 - 1. Open
 - 2. Minimally invasive
- 1. Endoscopic
- 2. Laparoscopic
- 3. Robot-assisted
- B. Procedures
 - 1. Appendectomy
 - 2. Cholecystectomy
 - a) With or without cholangiography
 - 3. Colonoscopy
 - 4. Colon resection
 - a) With or without colostomy
 - 5. Esophagoscopy
 - 6. Esophagogastroduodenoscopy (EGD)
 - a) With or without endoscopic retrograde cholangiopancreatography (ERCP)
 - 7. Gastrectomy

- a) With or without gastrostomy
- 8. Nissen fundoplication
- 9. Liver resection
- 10. Pancreaticoduodenectomy
 - a) Whipple procedure
- 11. Unhealthy BMI
 - a) Gastric sleeve
 - b) Lap band
 - c) Roux-en-Y (gastric bypass)

III. Breast

A. Approach

- 1. Open

B. Procedures

- 1. Biopsy
 - a) Needle localization
 - b) Sentinel node
- 2. Modified radical mastectomy
 - a) With or without axillary node dissection
 - b) With or without reconstruction

IV. Endocrine

A. Approach

- 1. Open
- 2. Minimally invasive
 - a) Laparoscopic
 - b) Robot-assisted

B. Procedures

1. Splenectomy
2. Thyroidectomy
- a) With or without parathyroid preservation
- V. Hernia
- A. Approach
 1. Open
 2. Minimally invasive
 - a) Laparoscopic
 - b) Robot-assisted
- B. Procedures
 1. Femoral
 2. Hiatal
 3. Incisional
 4. Inguinal
 5. Umbilical
- VI. Rectal
- VII. A. Approach
 1. Open
- B. Procedures
 1. Fistulectomy or fistulotomy
 2. Hemorrhoidectomy
 3. Pilonidal cystectomy
 4. Sphincteroplasty

❖ Obstetrics and Gynecology Procedures

OBSTETRIC AND GYNECOLOGIC

Content:

I. Cervix A. Approach

1. Open
 - a) Vaginal
2. Minimally invasive
 - b) Endoscopic
- B. Procedures
 1. Cervical biopsy
 2. Cervical cerclage
 - a) McDonald
 - b) Shirodkar
 3. Dilation and curettage (D&C)
 4. Dilation, curettage, and evacuation (DC&E)
 5. Loop electrosurgical excision procedure (LEEP)

II. Uterus, uterine (fallopian tubes), ovaries

A. Approach

1. Open
 - a) Abdominal
 - b) Vaginal
2. Minimally invasive
 - a) Endoscopic
 - b) Laparoscopic

- c) Robot-assisted

B. Procedures

1. Uterus

- a) Brachytherapy
- b) Cesarean section
- c) Endometrial ablation
- d) Hysterectomy
- e) Hysteroscopy
- f) Myomectomy

2. Uterine (fallopian) tubes

- a) Salpingectomy
- b) Salpingotomy for ectopic pregnancy
- c) Sterilization
- d) Tuboplasty

3. Ovary

- a) Cystectomy
- b) Oophorectomy

III. External genitalia

A. Approach

1. Open

B. Procedures

- 1. Ablation of condylomas
- 2. Labiaplasty
- 3. Marsupialization of Bartholin's gland
- 4. Perineal laceration
- 5. Vulvectomy

IV. Vagina

- A. Approach
 - 1. Open
- B. Procedures
 - 1. Colpocleisis
 - 2. Fistula repair
 - a) Rectovaginal
 - b) Vesicovaginal

V. Pelvic

- VI. A. Approach
 - 1. Open
 - a) Vaginal
 - 2. Minimally invasive
 - a) Endoscopic
 - b) Laparoscopic
 - c) Robot-assisted
- B. Procedures
 - 1. Anterior and posterior repair
 - a) Colporrhaphy
 - 2. Diagnostic laparoscopy
 - 3. Radical hysterectomy
 - a) Wertheim-Meigs
 - 4. Total pelvic exenteration

SURGICAL PROCEDURES – DIDACTIC

ORTHOPEDIC

Content:

I. Shoulder and clavicle

A. Approach

1. Open
2. Closed
3. Minimally invasive
 - a) Arthroscopic
 - b) Percutaneous

B. Procedures

1. Acromioplasty
2. Arthroplasty
 - a) Total
 - b) Hemi
 - c) Reverse
3. Arthroscopy
4. Bankart repair
5. Open reduction internal fixation (ORIF) of clavicle
6. Rotator cuff repair

II. Arm, elbow, forearm

A. Approach

1. Open
2. Closed
3. Minimally invasive

a) Percutaneous

B. Procedures

1. Arthroplasty
 - a) Radial head
2. IM nail

- a) Humeral shaft fracture
- 3. ORIF
 - a) Proximal humeral fracture
 - b) Olecranon fracture
 - c) Radial and ulnar shaft fracture
- 4. Application of external fixation device

III. Wrist and hand

- A. Approach
 - 1. Open
 - 2. Closed
 - 3. Minimally invasive
 - a) Arthroscopic
 - b) Percutaneous
- B. Procedures
 - 1. Arthroplasty
 - 2. Arthroscopy
 - 3. ORIF
- a) Distal radius fracture
- 4. Application of external fixation device

IV. Pelvis and hip

- A. Approach
 - 1. Open
 - 2. Closed
 - 3. Minimally invasive
 - a) Arthroscopic
 - b) Percutaneous
- B. Procedures

1. Arthroplasty a) Total
 - 1) Anterior approach (THA)
 - b) Hemi
 2. Arthroscopy
 3. Application of external fixation device
 4. ORIF
 - a) Acetabular fracture
 5. IM nail/Pins
 - a) Shaft and trochanteric fractures
- V. Leg and knee A. Approach
 1. Open
 2. Closed
 3. Minimally invasive
 - a) Arthroscopic
 - b) Percutaneous
- B. Procedures
 1. Amputation
 - a) Above the knee (A/K)
 - b) Below the knee (B/K)
 2. Arthroscopy
 - a) Ligament repairs
 - b) Meniscal repair
 3. Arthroplasty a) Total
 - b) Partial
 4. IM nail
 - a) Femoral and tibial shaft fractures

- 5. ORIF
 - a) Tibial plateau fracture
 - b) Patellar fracture

VI. Ankle and foot

A. Approach

- 1. Open
- 2. Minimally invasive
 - a) Arthroscopic
 - b) Percutaneous

3. Closed

B. Procedures

- 1. Achilles' tendon repair
- 2. Arthroscopy
- 3. Amputation
- 4. Bunionectomy
- 5. ORIF
 - a) Calcaneal fracture
 - b) Malleolus fracture

6. Triple arthrodesis

**SURGICAL PROCEDURES – DIDACTIC
PLASTICS AND RECONSTRUCTIVE**

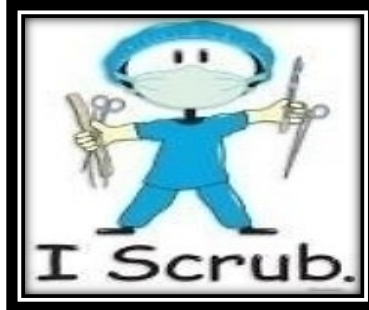
Content:

- I. Head and face**
 - A. Approach**
 1. Open
 2. Minimally invasive
 - a) Endoscopic
 - B. Procedures**
 1. Blepharoplasty
 2. Brow lift
 3. Cheiloplasty and palatoplasty
 4. Craniosynostosis correction
 5. Facial implants
 6. Orbital decompression
 7. Otoplasty
 8. Rhinoplasty
 9. Rhytidectomy
- II. Breast**
 - A. Approach**
 1. Open
 - B. Procedures**
 1. Mammoplasty and mammaplasty
 - a) Augmentation and reconstruction
 - 1) Latissimus dorsi flap (LAT)
 - 2) Tissue expansion
 - 3) Transverse rectus abdominis muscle flap (TRAM)
 - b) Nipple reconstruction
 - c) Reduction
- III. Abdomen**
 - A. Approach**
 1. Open
 - B. Procedures**
 1. Abdominoplasty
 2. Body lift
 - a) Full
 - b) Lower
 3. Panniculectomy
 4. Suction lipectomy
- IV. Skin**
 - A. Approach**
 1. Open
 - B. Procedures**

1. Superficial lesion/neoplasm
 - a) Micrographic (MOHS)
 2. Scar revision
 3. Grafts
 - a) Full-thickness skin graft (FTSG)
 - b) Pedicle graft
 - c) Split thickness skin graft (STSG)
- V. Genitalia
 - A. Approach
 1. Open
 - B. Procedures
 1. Gender confirmation
 - a) Genitoplasty
 - b) Phalloplasty
 2. Labiaplasty
 3. Vaginoplasty
- VI. Hand
 - A. Approach
 1. Open
 - B. Procedures
 1. DeQuervain's release
 2. Dupuytren's contracture release
 3. Polydactyly release
 - a) Radial thumb and collateral ligament
 4. Radial dysplasia repair
 5. Replantation
 6. Syndactyly release

ablation

CHESAPEAKE COLLEGE SURGICAL TECHNOLOGY PROGRAM COURSE SYLLABUS



SGT 225 SURGICAL PRACTICUM II

COURSE DESCRIPTION

Intermediate-level practice of operating room procedures, including continued application of basic laboratory skills in an operating room setting. Applied skills include scrubbing, gowning, gloving, setting up, instrument handling, and anticipation of needs with increased organization, speed, and manual dexterity. Appropriate record-keeping is the responsibility of the student.

Clinical Requirements: 40 clock-hours per week additional hours may be assigned as appropriate for student benefit.

Credit Hours: 1

Clock Hours: 75

Prerequisite(s) – SGT 126; 127; 128; 129, 226;228

Co-requisite(s) None

INSTRUCTOR INFORMATION

Karen Jones, CST, AS, Surgical Technology Program Director
kjones@chesapeake.edu

Specific office hours are available by appointment.

COURSE GOALS

- ❖ Maintain efficiency and knowledge of all aspects of the surgical procedure in the surgical setting
- ❖ Perform automatically and with increased speed in the operating room as the first scrub

METHODS OF INSTRUCTION

Clinical and practical experience and evaluation; online discussion.

METHODS OF EVALUATION

Component	Percentage
Clinical Documentation	35%
Preceptor Evaluations	20%
Instructor Evaluations	30%
Assignments	15%

Late Assignment Policy

- 1 day late: 10% deduction from the final assignment grade
- 2 days late: 20% deduction from the final assignment grade
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STUDENT LEARNING OUTCOMES

- ❖ Apply universal precautions to the performance of perioperative case management activities
- ❖ Demonstrate methods utilized to analyze and plan for the needs of the surgical case
- ❖ Describe the function of the physical components of the operating room furniture and equipment

- ❖ Demonstrate techniques for preparing the sterile field and select the surgical instruments and supplies for the procedure
- ❖ Demonstrate the methods for monitoring the sterile field
- ❖ Execute placing and securing supplies and equipment for use on the sterile field
- ❖ Manipulate with guidance the procedures for draping of the surgical field and surgical patient
- ❖ Demonstrate postoperative case management duties

REQUIREMENTS FOR SATISFACTORY COURSE COMPLETION

- ❖ Students must comply with all policies as defined in the program handbook, including but not limited to attendance, safety, patient privacy, professional behavior and clinical performance expectations.
- ❖ Students must achieve a 75% or better in this course in order to complete the program.
- ❖ Students must successfully continue clinical rotations as scheduled until the end of the semester as defined by the academic/course calendar regardless of the number of cases completed.

REQUIRED TEXTBOOKS

- ❖ Rothrock, Jane C., Alexander, Sherri M. *Alexander's Surgical Procedures*. St. Louis: Elsevier ISBN: 978-0-323-07555-8
- ❖ <https://www.trajecsys.com/>

GRADING SCALE

Percentage	Grade
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while providing classroom and laboratory experiences that thoroughly prepare students for entry into clinical assignments and then into employment as working Certified Surgical Technologists.

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Students are expected to:

- ❖ Arrive to class prepared, having completed any preparatory assignments/reading
- ❖ Participate in class discussions actively
- ❖ Demonstrate respect for faculty and fellow students- remaining awake, attentive, and engaged, respecting the learning styles of others, and utilizing professional, courteous behaviors

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Note: Clinical absences must be coordinated in advance when possible. Excessive absenteeism not only impacts your grade but may jeopardize your standing in the program.

Attendance and Punctuality Policy – Surgical Technology Program

Attendance and punctuality are essential to your success in this program. Every session includes critical lab, class, or clinical instruction that cannot be replicated outside of scheduled hours.

Summer and Winter Semesters (Short Terms)

- 1 absence permitted without penalty.
- 2nd absence will result in a 3% reduction on your final course grade.
- 3rd absence will result in a 10% reduction on your final course grade and/or may result in removal from the program.

Fall and Spring Semesters (Full Terms)

- 2 absences permitted without penalty.

- If one of the absences is a clinical day, it must be made up. Make-up time may be scheduled during official breaks (e.g., spring break, Christmas holiday).
- 3rd absence will result in a 3% reduction from your final course grade.
- 4th absence will result in a 10% reduction on your overall course grade
- 5th absence may result in removal from the program.

Lateness Policy

- Students are expected to arrive on time for all classes, lab, and clinical experiences.
- Arriving more than 5 minutes late will be recorded as a lateness.
- After 3 instances of lateness, a 3% reduction will be applied to your final course grade.
- Clinical lateness may result in being denied participation for the day due to hospital policies and time-sensitive procedures.
- After 4 instances of lateness, the student may be removed from the program.

The Program Director reserves the right to make arrangements for unforeseen or catastrophic circumstances on a case-by-case basis

SUPPORT/POLICIES

Please refer to the Support/Policies tab in the navigation menu on the left side of your Canvas course page to view the College's policies regarding Accessibility Accommodations, Title IX, Academic Dishonesty, the Emergency Management Plan, and other guiding statements that support student success.

CODE OF CONDUCT

<https://www.chesapeake.edu/students/student-code-of-conduct>

DEFINING ROLES OF THE STUDENT IN THE CLINICAL SETTING

All students will participate in the clinical setting under the direct supervision of a qualified preceptor. These roles can be categorized into First Scrub, Second Scrub, and Observation.

First Scrub Role (FS):

- ❖ Documents the surgical case
- ❖ Verifies supplies and equipment
- ❖ Sets up the sterile field, including instruments, medications, and supplies
- ❖ Performs operative counts according to AST guidelines and facility policies
- ❖ Passes instruments and supplies, anticipating the surgeon's needs
- ❖ Maintains sterile technique throughout the procedure
- ❖ Recognizes and corrects sterility breaks
- ❖ Documents surgical events as needed

Second Scrub Role (SS):

- ❖ Assists with the surgical procedure while actively participating in various tasks, such as:
 - Assisting with diagnostic endoscopy
 - Assisting with vaginal delivery
 - Cutting suture
 - Providing camera assistance
 - Retracting, sponging, and suctioning
- ❖ Students in this role may not yet meet all the criteria for the First Scrub role.

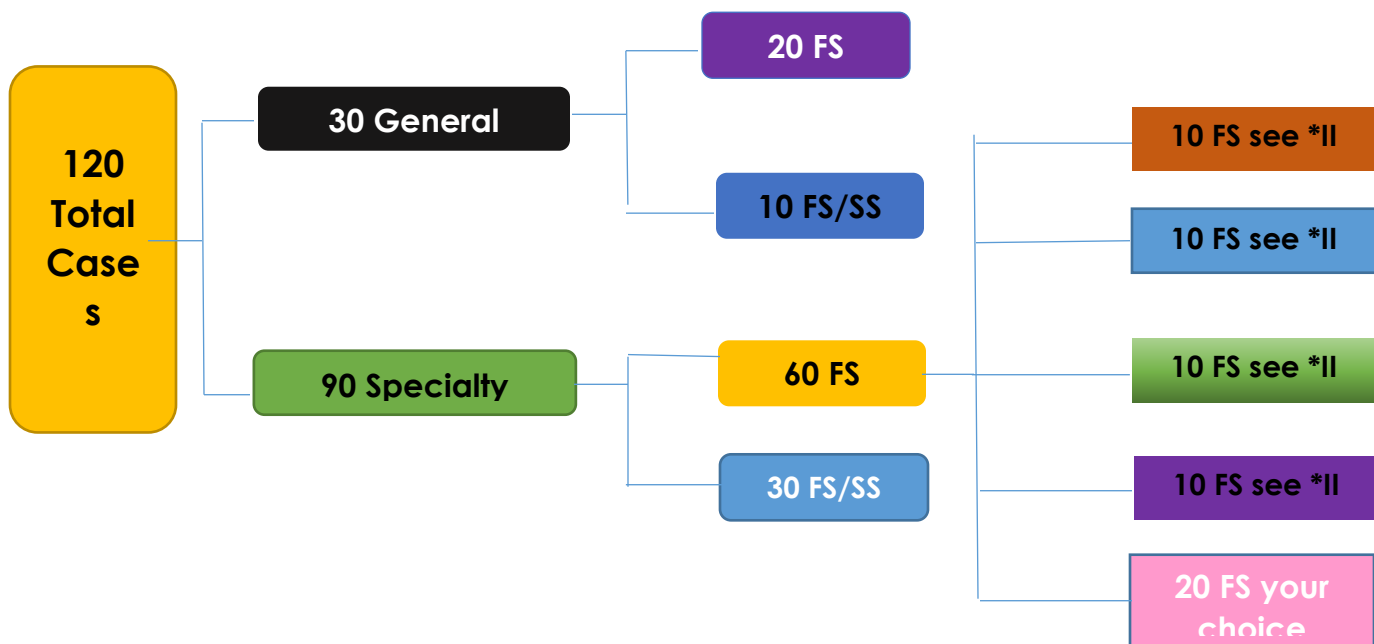
Observation Role (O):

- ❖ Observes a surgical case in either a sterile or non-sterile environment.
- ❖ Observation cases cannot be counted towards the required case minimum but must still be documented.
- ❖ Students in this role have not yet met the criteria for the First or Second Scrub roles.

SURGICAL CASE REQUIREMENTS

Program completion is mandatory prior to certification examination. It is the goal of this program to ensure that students are fully prepared to enter the workforce with a well-rounded and extensive clinical and instructional background. Students are required to participate in the entire schedule of clinical rotations as dictated by the academic/course calendar after minimum requirements are met in order to attain program completion as stated above in Requirements for Course Completion.

A student must complete a minimum of 120 cases as delineated below in the diagram.



CASE DOCUMENTATION USING TRAJECSYS CLINICAL

RECORDKEEPING SYSTEM

Operating Room Clinical Evaluation – Students are required to have an evaluation completed from each preceptor they are assigned to in the course of a day.

Verification of Surgical Procedure – Students are required to maintain a list of cases. They need a preceptors' electronic signature to verify the student's presence and position (S1 or S2) for each case.

Devices used for clocking in and out – location settings must be activated on the device used by the student to record time.

Cases that are not verified with a signature cannot be counted.

Students have other documentation they will be submitting. Withholding, falsifying and/or altering clinical documentation is grounds for immediate dismissal from the program

EXPECTATIONS

Students are expected to follow Chesapeake College Program policies and facility policies at all times. Although policies vary by facility, students are accountable for their behavior while participating in clinical rotations. In general, the Surgical Technology program strives to require a standard of behavior that exceeds expectations at all clinical sites.

In the event that a clinical facility requires that a student be removed, faculty will make every effort to find an alternative site for clinical placement if student behavior and performance is deemed appropriate for continuation in the program. However, alternative placement is not guaranteed. Clinical placement is based on a wide variety of factors, and student preferences or requests are very rarely honored.

Students are not permitted to participate in any patient care activities unless they are directly supervised. Students are not permitted to scrub in alone on a case-preceptors must be scrubbed in while procedures are underway. Students are not permitted to act as employees in any capacity while attending clinical rotations.

Students are not permitted to be in attendance at clinical facilities outside of scheduled times. Visiting clinical facilities without specific prior authorization from program faculty is strictly prohibited.

CHESAPEAKE COLLEGE SURGICAL TECHNOLOGY PROGRAM COURSE SYLLABUS



SGT 226 SURGICAL TECHNIQUES II

COURSE DESCRIPTION

This course continues preparing the student to be an active member of the surgical team. Students will be introduced to general surgical techniques, including devices and surgical robotics. Topics relating to wounds include types of wounds and phases of healing. Other topics include sutures and needles, accessory devices and surgical staplers, preoperative diagnoses, and opening and closing of surgical wounds. One hour of lecture and four hours of lab per week.

Credit Hours: 3

Clock Hours: 150

Prerequisite(s) – SGT- summer, Fall, and winter courses

Co-requisite(s): SGT 229;230

INSTRUCTOR INFORMATION

Karen Jones, CST, AS, Surgical Technology Program Director

kjones@chesapeake.edu

COURSE GOALS

- ❖ Introduce students to exposure techniques of the surgical site
- ❖ Enhance students' knowledge of surgical wound closure and healing

METHODS OF INSTRUCTION

Lecture, audiovisual and on-line activities, discussions, assignments and laboratory activities

METHODS OF EVALUATION

Component	Percentage
Exams/Quizzes	35%
Presentation Project	25%
Assignments	20%
Skills	Pass or Fail
Final Exam	20%

Late Assignment Policy

- 1 day late: 10% deduction from the final assignment grade
- 2 days late: 20% deduction from the final assignment grade
- More than 3 days late: Not accepted

All late submissions are calculated based on the original due date and time. It is the student's responsibility to communicate with the instructor in advance if an extension is needed due to extenuating circumstances. Exceptions may be granted only with prior approval and appropriate documentation

STUDENT LEARNING OUTCOMES

- ❖ Demonstrate basic wound care concepts and apply the principles of asepsis in the clinical setting and practice of sterile technique
- ❖ Evaluate the classification of surgical wounds, analyze factors that influence healing and devise plans to prevent postoperative wound infections
- ❖ Identify the basic components of surgical devices and robotic systems
- ❖ Demonstrate proper suture selection, preparation, handling of suture.

REQUIREMENTS FOR SATISFACTORY COURSE COMPLETION

- ❖ Students must comply with all policies as defined in the Surgical Technology Program Handbook and the Chesapeake College Student Handbook and College Catalog, including but not limited to attendance, academic integrity, safety, patient privacy, professional behavior and clinical performance expectations. Details regarding expectations will be fully discussed during program orientation.
- ❖ Students must complete all practical evaluations and skills assessments successfully in a maximum of 3 attempts in order to complete this course and continue study in the surgical technology program
- ❖ Students must achieve a 75% or better in this course in order to complete the program.

REQUIRED TEXTBOOKS

- ❖ Rothrock, Jane C., Alexander, Sherri M. *Alexander's Surgical Procedures*. St. Louis: Elsevier ISBN: 978-0-323-07555-8
- ❖ Association of Surgical Technologists, Inc. *Surgical Technology for the Surgical Technologist; A Positive Care Approach, 5th Edition*. Boston: Cengage ISBN 978-1-305-95641-4
- ❖ Phillips, Nancymarie. *Berry & Kohn's Operating Room Technique, 15th Edition* St. Louis: Elsevier ISBN: 978-0-323-39926-5

GRADING SCALE

Percentage	Grade
92-100%	A
91-83%	B
82-75%	C
74-65%	D
Below	F

Successful course completion requires a final grade of 75% or better.

CLASSROOM AND LABORATORY EXPECTATIONS

It is the philosophy of the Chesapeake College Surgical Technology Program to foster a learning environment that is respectful and safe for all students while providing classroom and laboratory experiences that thoroughly prepare students for entry into clinical assignments and then into employment as working Certified Surgical Technologists.

Students are expected to arrive on time for each class and/or laboratory exercise and be ready to participate at the scheduled time.

Students are expected to:

- ❖ Arrive to class prepared, having completed any preparatory assignments/reading
- ❖ Participate in class discussions actively
- ❖ Demonstrate respect for faculty and fellow students- remaining awake, attentive, and engaged, respecting the learning styles of others, and utilizing professional, courteous behaviors

During laboratory and simulation experiences, in addition to the above expectations, students are expected to:

- ❖ Conform to attire, grooming, and personal protective equipment requirements exactly as written for clinical facilities
- ❖ Exhibit behaviors precisely as written for clinical facilities

Failure to arrive on scheduled laboratory/simulation days with appropriate attire and grooming or entering the lab without appropriate PPE constitutes an absence. See the Attendance Policy for further information.

ATTENDANCE POLICY

The nature of the Surgical Technology Program requires that students' learning and skills be developed based on foundational concepts taught in previous educational experiences. Missed classes, laboratory and simulation experiences, and clinical rotations are difficult to re-create. Attendance is paramount to success in the program. The following policies apply to each course if multiple courses are taught daily.

Attendance Policy – Surgical Technology Program

Attendance is essential to your success in this program, as every day includes critical lab, class, and clinical instruction. Due to the intensive and hands-on nature of the curriculum, the following attendance policy will be strictly enforced:

Summer and Winter Semesters (Short Terms)

- 1 absence permitted without penalty.
- 2nd absence will result in a 3% reduction from your overall course grade.
- 3rd absence will result in a 10% reduction on your overall course grade
- 4th absence may result in removal from the program.

Note: Short-term move at an accelerated pace. Missing class or lab instruction can significantly impact your readiness.

Fall and Spring Semesters (Full Terms)

- 2 absences permitted without penalty.
 - If one of the absences is a clinical day, it must be made up. Make-up time may be scheduled during breaks (e.g., spring break, Christmas holiday).
- 3rd absence will result in a 3% reduction from your overall course grade.
- 4th absence may result in removal from the program.

Note: Clinical absences must be coordinated in advance when possible. Excessive absenteeism not only impacts your grade but may jeopardize your standing in the program.

Attendance and Punctuality Policy – Surgical Technology Program

Attendance and punctuality are essential to your success in this program. Every session includes critical lab, class, or clinical instruction that cannot be replicated outside of scheduled hours.

Summer and Winter Semesters (Short Terms)

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 - If one of the absences is a clinical day, it must be made up. Make-up time may be scheduled during official breaks (e.g., spring break, Christmas holiday).
- 3rd absence will result in a 3% reduction from your final course grade.
- 4th absence will result in a 10% reduction on your overall course grade
- 5th absence may result in removal from the program.

Lateness Policy

- Students are expected to arrive on time for all classes, lab, and clinical experiences.
- Arriving more than 5 minutes late will be recorded as a lateness.
- After 3 instances of lateness, a 3% reduction will be applied to your final course grade.
- Clinical lateness may result in being denied participation for the day due to hospital policies and time-sensitive procedures.
- After 4 instances of lateness, the student may be removed from the program.

SUPPORT/POLICIES

Please refer to the Support/Policies tab in the navigation menu on the left side of your Canvas course page to view the College's policies regarding Accessibility/Disability Services, Title IX, Academic Dishonesty, the Emergency Management Plan, and other guiding statements that support student success.

COURSE FORMAT

Knowledge and skills in the course are cumulative, and will be utilized throughout the entire program. Application of skills and concepts presented in this course are an integral part of ensuring patient safety in the operative environment. Practical and simulation exercises will be incorporated with course content and may be provided in combination with other courses in the program. The course may conclude with a final examination and or skills assessment.

CODE OF CONDUCT

<https://www.chesapeake.edu/students/student-code-of-conduct>

TOPIC OVERVIEW

- ❖ Surgical Case Management
 - Preoperative Diagnostics
 - Indwelling Devices
 - Catheters-Concepts and safety

- ❖ Retracting
 - Principles of Retracting
 - Selection of Exposure Devices

- ❖ Sutures, Needles, and Closure Devices
 - Suture and Surgical Hemostasis
 - Classification of Suture Material
 - Suturing Techniques
 - Surgical Needles
 - Stapling Devices/Clip Appliers

- ❖ Wounds
 - Pathophysiology and Factors that Influence Wound Healing
 - Phases of Wound Healing
 - Complications
 - Tissue Replacement Materials

- ❖ Drains and Dressings
 - Selection of Drains and Drainage Devices
 - Principles of Drain Insertion and Stabilization
 - Surgical Dressing Types
 - Surgical Dressing Application
 - Specialty Dressings

- ❖ Information, Technology and Robotics
 - Technological Sciences
 - Terminology
 - Da Vinci Robotic System
 - Advantages and Disadvantages
 - Alternative Robotic and Guided Imaging Systems
 - Lasers- Application and Safety

- ❖ Intervention Radiology

Chesapeake College Surgical TECHNOLOGY PROGRAM

Course Syllabus



SGT 228

SURGICAL SPECIALTIES II

COURSE DESCRIPTION

Students will be introduced to Cardiothoracic, peripheral vascular, Neurological, Otorhinolaryngology, Oral/Maxillary, and Ophthalmic Surgery. The presentations will include indications, outcomes, anatomy, physiology, and pathophysiology. There will be four hours of lecture per week.

Credit Hours: 4

Clock Hours: 45

Prerequisite(s) – Summer Courses

Co-requisite(s): Fall courses

INSTRUCTOR INFORMATION

Karen Jones, CST, AS, Surgical Technology Program Director

kjones@chesapeake.edu

Specific office hours are available by appointment.

COURSE GOALS

- ❖ Expand student knowledge of anatomy, physiology, and pathophysiology of the systems involved in the surgical procedure
- ❖ Provide the knowledge to determine the surgical category of a procedure

METHODS OF INSTRUCTION

Lecture, audiovisual and online activities, discussions, and assignments

METHODS OF EVALUATION

Component	Percentage
Exams/Quizzes	35%
Presentation Project	25%
Assignments	25%
Final Exam	15%

Late Assignment Policy

- 1 day late: 10% deduction from the final assignment grade
- 2 days late: 20% deduction from the final assignment grade
- More than 3 days late: Not accepted

All late submissions are calculated based on the original due date and time. It is the student's responsibility to communicate with the instructor in advance if an extension is needed due to extenuating circumstances. Exceptions may be granted only with prior approval and appropriate documentation

STUDENT LEARNING OUTCOMES

- ❖ Identify the anatomy, physiology, and pathophysiology of the system involved with a procedure
- ❖ Explain indications and expected outcomes of a surgical procedure

- ❖ Explain the correct order of steps taken during a surgical procedure
- ❖ List the supplies, equipment, and instrumentation needed for a procedure
- ❖ Discuss specific factors that are unique to a surgical procedure, wound classification, and wound management

REQUIREMENTS FOR SATISFACTORY COURSE COMPLETION

- ❖ Students must comply with all policies as defined in the Surgical Technology Program Handbook and the Chesapeake College Student Handbook and College Catalog, including but not limited to attendance, academic integrity, safety, patient privacy, professional behavior, and clinical performance expectations. Details regarding expectations will be fully discussed during the program orientation.
- ❖ Students must achieve a 75% or better in this course in order to complete the program.

REQUIRED MATERIALS

- ❖ Cengage. *Cengage Unlimited Access, 18th Edition*:
- ❖ Phillips, Nancymarie. *Berry & Kohn's Operating Room Technique, 15th Edition* St. Louis: Elsevier ISBN: 978-0-323-39926-5
- ❖ Rothrock, Jane. *Alexander's Surgical Procedures* St. Louis: Elsevier ISBN:978-0-323-07555-8

GRADING SCALE

Percentage	Grade
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82-75%	C
74-65%	D
Below	F

Successful course completion requires a final grade of 75% or better.

CLASSROOM AND LABORATORY EXPECTATIONS

It is the philosophy of the Chesapeake College Surgical Technology Program to foster a learning environment that is respectful and safe for all students while providing classroom and laboratory experiences that thoroughly prepare students for entry into clinical assignments and then into employment as working Certified Surgical Technologists.

Students are expected to arrive on time for each class and/or laboratory exercise and be ready to participate at the scheduled time.

Students are expected to:

- ❖ Arrive to class prepared, having completed any preparatory assignments/reading
- ❖ Participate in class discussions actively
- ❖ Demonstrate respect for faculty and fellow students- remaining awake, attentive, and engaged, respecting the learning styles of others, and utilizing professional, courteous behaviors

During laboratory and simulation experiences, in addition to the above expectations, students are expected to:

- ❖ Conform to attire, grooming, and personal protective equipment requirements exactly as written for clinical facilities
- ❖ Exhibit behaviors precisely as written for clinical facilities

Failure to arrive on scheduled laboratory/simulation days with appropriate attire and grooming or entering the lab without appropriate PPE constitutes an absence. See the Attendance Policy for further information.

ATTENDANCE POLICY

The nature of the Surgical Technology Program requires that students' learning and skills be developed based on foundational concepts taught in previous educational experiences. Missed classes, laboratory and simulation experiences, and clinical rotations are difficult to re-create. Attendance is paramount to success in the program. The following policies apply to each course if multiple courses are taught daily.

Attendance Policy – Surgical Technology Program

Attendance is essential to your success in this program, as every day includes critical lab, class, and clinical instruction. Due to the intensive and hands-on nature of the curriculum, the following attendance policy will be strictly enforced:

Summer and Winter Semesters (Short Terms)

- 1 absence permitted without penalty.
- 2nd absence will result in a 3% reduction from your overall course grade.
- 3rd absence will result in a 10% reduction on your overall course grade
- 4th absence may result in removal from the program.

Note: Short-term move at an accelerated pace. Missing class or lab instruction can significantly impact your readiness.

Fall and Spring Semesters (Full Terms)

- 2 absences permitted without penalty.
 - If one of the absences is a clinical day, it must be made up. Make-up time may be scheduled during breaks (e.g., spring break, Christmas holiday).
- 3rd absence will result in a 3% reduction from your overall course grade.
- 4th absence may result in removal from the program.

Note: Clinical absences must be coordinated in advance when possible. Excessive absenteeism not only impacts your grade but may jeopardize your standing in the program.

Attendance and Punctuality Policy – Surgical Technology Program

Attendance and punctuality are essential to your success in this program. Every session includes critical lab, class, or clinical instruction that cannot be replicated outside of scheduled hours.

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- After 4 instances of lateness, the student may be removed from the program.

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CODE OF CONDUCT

<https://www.chesapeake.edu/students/student-code-of-conduct>

COURSE FORMAT

This course is divided into surgical specialties as listed below. Knowledge and skills in the course are cumulative, and will be utilized throughout the entire program. The application of skills and concepts presented in this course are an integral part of ensuring patient safety in the operative environment. Practical and simulation exercises will be incorporated with course content and may be provided in combination with other courses in the program. Each Lesson will conclude with an exam. Lessons may include a homework assignment and may include written assessments, discussions, and quizzes. The course will conclude with a final examination.

TOPIC OVERVIEW

- ❖ Genitourinary Procedures
 - Anatomy, Physiology and Terminology Review
 - Kidney, Ureter, and Bladder Procedures
 - Prostate Procedures
 - Penile Procedures
 - Testicular Procedures
- ❖ Peripheral Vascular Procedures
 - Anatomy, Physiology and Terminology Review
 - Abdominal Aortic Aneurysm Procedures
 - Angioplasty Procedures
 - Angioscopy Procedures
 - AV Shunt and Bypass Procedures
 - Carotid Endarterectomy
 - Embolectomy Procedures
 - Vein Ligation and Stripping Procedures
 - Venous Access Device Procedures
- ❖ Cardiothoracic Procedures
 - Anatomy, Physiology and Terminology Review
 - Thoracic Procedures
 - Adult Cardiac Procedures
 - Pediatric Cardiac Procedures
- ❖ Neurological Procedures
 - Anatomy, Physiology and Terminology Review
 - Carpal Tunnel Release, Ulnar Nerve Procedures
 - Laminectomy Procedures
 - Craniotomy Procedures
 - Rhizotomy Procedures
 - Stereotactic Procedures
 - Transsphenoidal Procedures
 - Ventriculoperitoneal Shunt, Ventriculoscopy Procedures
- ❖ Otorhinolaryngologic Procedures
 - Anatomy, Physiology and Terminology Review

- Ear Procedures
- Nasal Procedures
- Oral Cavity and Throat Procedures
- ❖ Oral/Maxillary Procedures
 - Anatomy, Physiology and Terminology Review
 - Maxillary, Mandibular and Frontal Fracture Procedures
 - Cleft Palate Repair Procedures
 - Odontectomy
- ❖ Ophthalmic Procedures
 - Anatomy, Physiology and Terminology Review
 - Extraocular Procedures
 - Intraocular Procedures

CHESAPEAKE COLLEGE SURGICAL TECHNOLOGY PROGRAM COURSE SYLLABUS



SGT 229

SURGICAL PRACTICUM III CLINICAL

COURSE DESCRIPTION

A course to demonstrate surgical practice competency. Competent-level practice of operating room procedures, with skills performed with little to no assistance. Expectations include independent scrubbing for a variety of surgical cases, duties performed with increased speed and accuracy, increased awareness and anticipation of needs for the procedures and the needs of team members, and increased instrument handling skills. Appropriate record-keeping is the responsibility of the student.

5 credits [SPRING] Twenty-five clinical contact hours per week, not to exceed 375 hours per semester.

Credit Hours: 5

Clock Hours: 360

Prerequisite(s) – SGT Summer, Fall, and Winter

Co-requisite(s) – SGT Spring Courses

INSTRUCTOR INFORMATION

Karen Jones, CST, AS
 Director, Surgical Technology Program
 410-822-5400, ext. 2712
 E-mail: kjones@chesapeake.edu
 Office Hours: The Office will be open after classes by appointment
 See the schedule for specific times.
 Hours vary from 8:00 am to 4:30 pm
 I may also be contacted by cell phone at 302-542-3179

COURSE GOALS

- ❖ Maintain efficiency and knowledge of all aspects of the surgical procedure in the surgical setting
- ❖ Perform automatically and with increased speed in the operating room as the first scrub

METHODS OF INSTRUCTION

Clinical and practical experience and evaluation; online discussion, assignments, and quizzes. Late submissions are not accepted.

METHODS OF EVALUATION

Component	Percentage
Clinical Documentation	35%
Preceptor Evaluations	20%
Instructor Evaluations	30%
Assignments	15%

Late Assignment Policy

- 1 day late: 10% deduction from the final assignment grade

- 2 days late: 20% deduction from the final assignment grade
- More than 3 days late: Not accepted

All late submissions are calculated based on the original due date and time. It is the student's responsibility to communicate with the instructor in advance if an extension is needed due to extenuating circumstances. Exceptions may be granted only with prior approval and appropriate documentation

STUDENT LEARNING OUTCOMES

- ❖ Apply universal precautions to the performance of perioperative case management activities
- ❖ Demonstrate methods utilized to analyze and plan for the needs of the surgical case
- ❖ Describe the function of the physical components of the operating room furniture and equipment
- ❖ Demonstrate techniques for preparing the sterile field and select the surgical instruments and supplies for the procedure
- ❖ Demonstrate the methods for monitoring the sterile field
- ❖ Execute the placement and securing of supplies and equipment for use on the sterile field
- ❖ Manipulate with guidance the procedures for draping of the surgical field and the surgical patient
- ❖ Demonstrate postoperative case management duties
- ❖ Assess and anticipate the needs of the surgical team

REQUIREMENTS FOR SATISFACTORY COURSE COMPLETION

- ❖ Students must comply with all policies as defined in the program handbook, including but not limited to attendance, safety, patient privacy, professional behavior, and clinical performance expectations.
- ❖ Students must achieve a 75% or better in this course in order to complete the program.

- ❖ Students must successfully continue clinical rotations as scheduled until the end of the semester, as defined by the academic/course calendar, regardless of the number of cases completed.

REQUIRED TEXTBOOKS

Cengage. *Cengage Unlimited Access, 18th Edition*: ISBN:

Phillips, Nancymarie. *Berry & Kohn's Operating Room Technique, 15th Edition* St. Louis: Elsevier ISBN:

Rothrock, Jane. *Alexander's Surgical Procedures* St. Louis: Elsevier ISBN:978-0-323-07555-8

Trajecsyst – <https://www.trajecsyst.com/>

GRADING SCALE

Percentage	Grade
92-100%	A
91-83%	B
82-75%	C
74-65%	D
Below	F

Successful course completion requires a final grade of 75% or better.

CLASSROOM AND LABORATORY EXPECTATIONS

It is the philosophy of the Chesapeake College Surgical Technology Program to foster a learning environment that is respectful and safe for all students while providing classroom and laboratory experiences that thoroughly

prepare students for entry into clinical assignments and then into employment as working Certified Surgical Technologists.

Students are expected to arrive on time for each class and/or laboratory exercise and be ready to participate at the scheduled time.

Students are expected to:

- ❖ Arrive to class prepared, having completed any preparatory assignments/reading
- ❖ Participate in class discussions actively
- ❖ Demonstrate respect for faculty and fellow students- remaining awake, attentive, and engaged, respecting the learning styles of others, and utilizing professional, courteous behaviors

During laboratory and simulation experiences, in addition to the above expectations, students are expected to:

- ❖ Conform to attire, grooming, and personal protective equipment requirements exactly as written for clinical facilities
- ❖ Exhibit behaviors precisely as written for clinical facilities

Failure to arrive on scheduled laboratory/simulation days with appropriate attire and grooming or entering the lab without appropriate PPE constitutes an absence. See the Attendance Policy for further information.

ATTENDANCE POLICY

The nature of the Surgical Technology Program requires that students' learning and skills be developed based on foundational concepts taught in previous educational experiences. Missed classes, laboratory and simulation experiences, and clinical rotations are difficult to re-create. Attendance is paramount to success in the program. The following policies apply to each course if multiple courses are taught daily.

Attendance Policy – Surgical Technology Program

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Summer and Winter Semesters (Short Terms)

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- 3rd absence will result in a 10% reduction on your overall course grade
- 4th absence may result in removal from the program.

Note: Short-term move at an accelerated pace. Missing class or lab instruction can significantly impact your readiness.

Fall and Spring Semesters (Full Terms)

- 2 absences permitted without penalty.
 - If one of the absences is a clinical day, it must be made up. Make-up time may be scheduled during breaks (e.g., spring break, Christmas holiday).
- 3rd absence will result in a 3% reduction from your overall course grade.
- 4th absence may result in removal from the program.

Note: Clinical absences must be coordinated in advance when possible. Excessive absenteeism not only impacts your grade but may jeopardize your standing in the program.

Attendance and Punctuality Policy – Surgical Technology Program

Attendance and punctuality are essential to your success in this program. Every session includes critical lab, class, or clinical instruction that cannot be replicated outside of scheduled hours.

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- 5th absence may result in removal from the program.

Lateness Policy

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- Clinical lateness may result in being denied participation for the day due to hospital policies and time-sensitive procedures.
- After 4 instances of lateness, the student may be removed from the program.

The Program Director reserves the right to make arrangements for unforeseen or catastrophic circumstances on a case-by-case basis.

SUPPORT/POLICIES

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DEFINING ROLES OF THE STUDENT IN THE CLINICAL SETTING

Regardless of the specific role performed, students are required to participate under the direct supervision of clinical preceptors at all times. First and Second Scrub Role and Observation.

First Scrub Role (FS)

To document a case in the First Scrub (FS) role, the student shall perform the following duties during any given surgical procedure with proficiency:

- Verify the supplies and equipment

- Set up the sterile field

- ❖ Instruments

- ❖ Medication

- ❖ Supplies

- Perform required operative counts - AST guidelines and Facility policy

- Pass instruments and supplies

- Anticipate needs

- Maintain sterile technique

- ❖ Recognize sterility breaks

- ❖ Correct sterility breaks

- ❖ Document as needed

Second Scrub Role (SS)

The SS Role is defined as a student who has not met all the criteria for the FS role, but actively participates in the surgical procedure in its entirety by completing any of the following:

- ❖ Assistance with diagnostic endoscopy

- ❖ Assistance with vaginal delivery

- ❖ Cutting suture

- ❖ Providing camera assistance

- ❖ Retracting, Sponging, Suctioning

Observation Role (O)

The Observation role is defined as a student who has not met criteria for the FS or SS role. The student is observing a case in either the sterile or nonsterile role. Observation cases cannot be applied to the required 120 case count but must be documented.

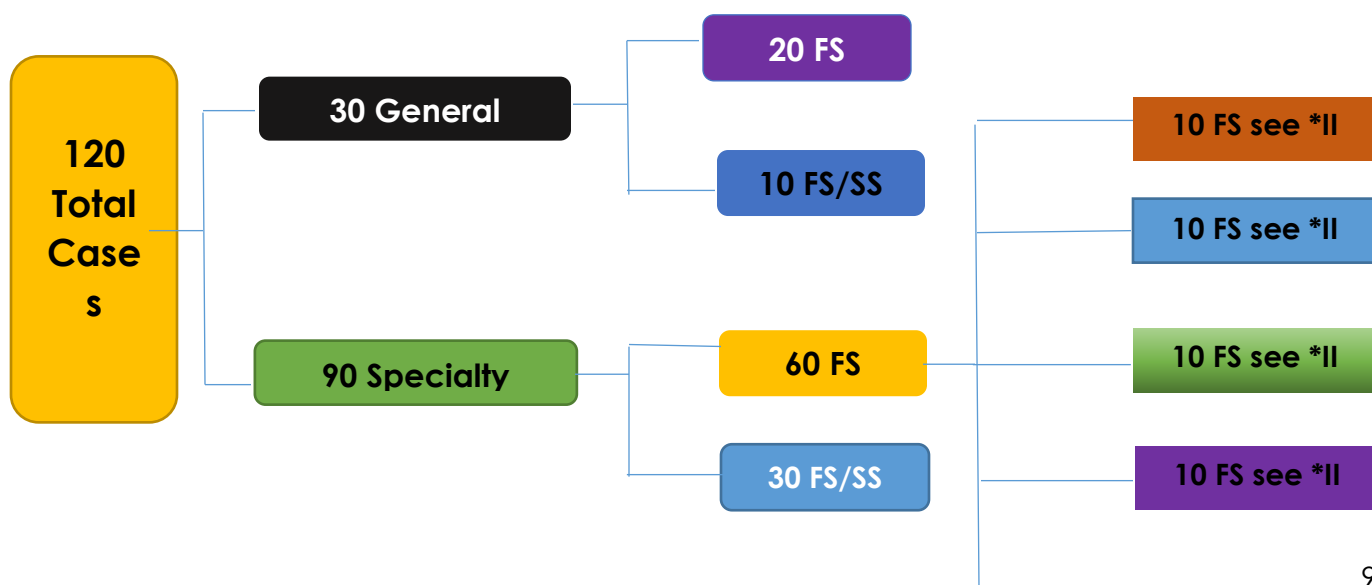
SURGICAL CASE REQUIREMENTS

Program completion is mandatory prior to certification examination. It is the goal of this program to ensure that students are fully prepared to enter the workforce with a well-rounded and extensive clinical and instructional background. Students are required to participate in the entire schedule of clinical rotations as dictated by the academic/course calendar after minimum requirements are met in order to attain program completion as stated above in Requirements for Course Completion.

Surgical Rotation and Rules:

Surgical Rotation Case Requirements.

A student must complete a minimum of 120 cases as delineated below in the diagram.



20 FS your
choice

CASE DOCUMENTATION USING TRAJECSYS CLINICAL RECORDKEEPING SYSTEM

Operating Room Clinical Evaluation – Students are required to have an evaluation completed from each preceptor they are assigned to in the course of a day.

Verification of Surgical Procedure – Students are required to maintain a list of cases. They need a preceptors' electronic signature to verify the student's presence and position (S1 or S2) for each case.

Devices used for clocking in and out – location settings must be activated on the device used by the student to record time.

Cases that are not verified with a signature cannot be counted.

Students have other documentation they will be submitting. Withholding, falsifying and/or altering clinical documentation is grounds for immediate dismissal from the program

EXPECTATIONS

Students are expected to follow Chesapeake College Program policies and facility policies at all times. Although policies vary by facility, students are accountable for their behavior while participating in clinical rotations. In general, the Surgical Technology program strives to require a standard of behavior that exceeds expectations at all clinical sites.

In the event that a clinical facility requires that a student be removed, faculty will make every effort to find an alternative site for clinical placement if student behavior and performance is deemed appropriate for continuation in the program. However, alternative placement is not guaranteed. Clinical

placement is based on a wide variety of factors, and student preferences or requests are very rarely honored.

Students are not permitted to participate in any patient care activities unless they are directly supervised. Students are not permitted to scrub in alone on a case-preceptors must be scrubbed in while procedures are underway. Students are not permitted to act as employees in any capacity while attending clinical rotations.

Students are not permitted to be in attendance at clinical facilities outside of scheduled times. Visiting clinical facilities without specific prior authorization from program faculty is strictly prohibited.

CHESAPEAKE COLLEGE SURGICAL TECHNOLOGY PROGRAM COURSE SYLLABUS



SGT 231 STRATEGIES FOR PROFESSIONAL ADVANCEMENT

COURSE DESCRIPTION

This course provides students with strategies for achieving certification and professional opportunities, including test-taking strategies, critical thinking for problem solving, resume and interview skills, and exploration of options for career pathways.

2 Credits [Spring] Two-hour lecture per week.

Credit Hours: 2

Clock Hours: 30

Prerequisites: Summer, fall, and winter courses

Co-requisite(s): Spring

INSTRUCTOR INFORMATION

Karen Jones, CST, AS, Surgical Technology Program Director
kjones@chesapeake.edu

Specific office hours are available by appointment

COURSE GOALS

- ❖ Provide the knowledge necessary for the student to be able to achieve and maintain certification
- ❖ Provide the knowledge necessary for the student to obtain a progressively responsible job as a Certified Surgical Technologist
- ❖ Provide the knowledge necessary for the student to use critical thinking for problem solving
- ❖ Introduce the student to professional organizations for Surgical Technologists (AST)

METHODS OF INSTRUCTION

Lecture, audiovisual and online activities, discussions, assignments, and laboratory activities

METHODS OF EVALUATION

Component	Percentage
Exams/Quizzes	35%
Assignments	50%
Final Exam	15%

Late Assignment Policy

- 1 day late: 10% deduction from the final assignment grade
- 2 days late: 20% deduction from the final assignment grade
- More than 3 days late: Not accepted

All late submissions are calculated based on the original due date and time. It is the student's responsibility to communicate with the instructor in advance if an extension is needed due to extenuating circumstances. Exceptions may be granted only with prior approval and appropriate documentation

STUDENT LEARNING OUTCOMES

- ❖ Demonstrate the knowledge required to pass the national certification exam
- ❖ Demonstrate effective verbal and non-verbal communication skills
- ❖ Demonstrate the ability to use critical thinking to solve problems
- ❖ Exhibit the ability to work effectively as part of a team

REQUIREMENTS FOR SATISFACTORY COURSE COMPLETION

- ❖ Students must comply with all policies as defined in the Surgical Technology Program Handbook and the Chesapeake College Student Handbook and College Catalog, including but not limited to attendance, academic integrity, safety, patient privacy, professional behavior and clinical performance expectations.
- ❖ Students must achieve a 75% or better in this course in order to complete the program.

REQUIRED TEXTBOOKS

Cengage. *Cengage Unlimited Access. 15th Edition*: ISBN: 978-0-357-10005-1

Phillips, Nancymarie. *Berry & Kohn's Operating Room Technique, 15th Edition*
St. Louis: Elsevier

Rothrock, Jane. *Alexander's Surgical Procedures* St. Louis: Elsevier ISBN:978-0-323-07555-8

GRADING SCALE

Percentage	Grade
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92-100%	A
91-83%	B
82-75%	C
74-65%	D
Below	F

Successful course completion requires a final grade of 75% or better.

CLASSROOM AND LABORATORY EXPECTATIONS

It is the philosophy of the Chesapeake College Surgical Technology Program to foster a learning environment that is respectful and safe for all students while providing classroom and laboratory experiences that thoroughly prepare students for entry into clinical assignments and then into employment as working Certified Surgical Technologists.

Students are expected to arrive on time for each class and/or laboratory exercise and be ready to participate at the scheduled time.

Students are expected to:

- ❖ Arrive to class prepared, having completed any preparatory assignments/reading
- ❖ Participate in class discussions actively
- ❖ Demonstrate respect for faculty and fellow students- remaining awake, attentive, and engaged, respecting the learning styles of others, and utilizing professional, courteous behaviors

During laboratory and simulation experiences, in addition to the above expectations, students are expected to:

- ❖ Conform to attire, grooming, and personal protective equipment requirements exactly as written for clinical facilities
- ❖ Exhibit behaviors precisely as written for clinical facilities

Failure to arrive on scheduled laboratory/simulation days with appropriate attire and grooming or entering the lab without appropriate PPE constitutes an absence. See the Attendance Policy for further information.

ATTENDANCE POLICY

The nature of the Surgical Technology Program requires that students' learning and skills be developed based on foundational concepts taught in previous educational experiences. Missed classes, laboratory and simulation experiences, and clinical rotations are difficult to re-create. Attendance is paramount to success in the program. The following policies apply to each course if multiple courses are taught daily.

Attendance Policy – Surgical Technology Program

Attendance is essential to your success in this program, as every day includes critical lab, class, and clinical instruction. Due to the intensive and hands-on nature of the curriculum, the following attendance policy will be strictly enforced:

Summer and Winter Semesters (Short Terms)

- 1 absence permitted without penalty.
- 2nd absence will result in a 3% reduction from your overall course grade.
- 3rd absence will result in a 10% reduction on your overall course grade
- 4th absence may result in removal from the program.

Note: Short-term move at an accelerated pace. Missing class or lab instruction can significantly impact your readiness.

Fall and Spring Semesters (Full Terms)

- 2 absences permitted without penalty.
 - If one of the absences is a clinical day, it must be made up. Make-up time may be scheduled during breaks (e.g., spring break, Christmas holiday).
- 3rd absence will result in a 3% reduction from your overall course grade.
- 4th absence may result in removal from the program.

Note: Clinical absences must be coordinated in advance when possible. Excessive absenteeism not only impacts your grade but may jeopardize your standing in the program.

Attendance and Punctuality Policy – Surgical Technology Program

Attendance and punctuality are essential to your success in this program. Every session includes critical lab, class, or clinical instruction that cannot be replicated outside of scheduled hours.

Summer and Winter Semesters (Short Terms)

- 1 absence permitted without penalty.
- 2nd absence will result in a 3% reduction on your final course grade.
- 3rd absence will result in a 10% reduction on your final course grade and/or may result in removal from the program.

Fall and Spring Semesters (Full Terms)

- 2 absences permitted without penalty.
 - If one of the absences is a clinical day, it must be made up. Make-up time may be scheduled during official breaks (e.g., spring break, Christmas holiday).
- 3rd absence will result in a 3% reduction from your final course grade.
- 4th absence will result in a 10% reduction on your overall course grade
- 5th absence may result in removal from the program.

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COURSE FORMAT

This course is divided into modules as listed below. Practical and simulation exercises will be incorporated with course content and may be provided in combination with other courses in the program. Each unit will conclude with an exam. Each module may contain discussions, assignments and quizzes. The course will conclude with a final exam.

- ❖ Communication and Problem Solving
- ❖ Teamwork
- ❖ Certification/Recertification and Continuing Education
- ❖ Test Taking and Exam Preparation