# INTRODUCTION TO SURGICAL TECHNOLOGY

## Course Syllabus

<table>
<thead>
<tr>
<th>Course Number:</th>
<th>HLTH-0112</th>
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<tbody>
<tr>
<td>OCAS Code:</td>
<td>None</td>
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<tr>
<td>Course Length:</td>
<td>30 Hours</td>
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<tr>
<td>Career Cluster:</td>
<td>Health Science</td>
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<tr>
<td>Career Pathway:</td>
<td>Therapeutic Services</td>
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<tr>
<td>Career Major(s):</td>
<td>Surgical Technologist (Accredited Program)</td>
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### Pre-requisite(s):
- This course is designed to provide information introducing the student to the roles and responsibilities of the surgical team and the health care system. Students will explore the ethical and legal concepts and professional responsibilities of the surgical technology field.

### Textbooks:

### Online Resources:
- Blackboard

### Course Objectives:

A. Describe the characteristics of professional surgical technologists.¹
B. Compare and contrast organizations related to the profession.¹
C. Explain the importance and available options of credentialing in the field of surgical technology.¹
D. List areas of employment for a surgical technologist.¹
E. Define the scope of practice for the surgical technologist.¹
F. Discuss types of communication relationships.¹
G. Discuss goals of communication.¹
H. Describe the significance of content and tone in communication.¹
I. Distinguish between assertive and aggressive behavior.¹
J. Discuss problem behaviors and coping mechanism.¹
K. Describe concepts of conflict resolution.¹
L. Demonstrate principles of communication in the surgical setting.¹
M. Demonstrate body language and non-verbal communication.¹
N. Demonstrate principles of teamwork in the surgical environment.¹
O. Review the American Hospital Association’s (AHA) Patient Care Partnership.¹
P. Develop an increased sensitivity to the influence of ethics in professional practice.¹
INTRODUCTION TO SURGERY TECHNOLOGY

Q. Discuss the role of morality during ethical decision making.
R. Discuss examples of ethical situations and problems in the health professions.
S. Demonstrate the key elements related to developing a surgical conscience.
T. Review principles of problem solving in ethical decision making.
U. Discuss principles of patient confidentiality including verbal and written.
V. Analyze the concepts of law.
W. Interpret the legal responsibilities of the surgical technologist and surgical team members.
X. Compare and contrast criminal and civil liabilities and the consequences for these acts.
Y. Assess the resources that aid the surgical technologist in interpreting and following professional standards of conduct.
Z. Analyze the recommended practices and legal elements of proper documentation.
AA. Interpret prevention, correction and documentation techniques that may positively impact risk management issues.
BB. Compare and contrast the roles of team members.

1 ODCTE Objective
All unmarked objectives are TTC instructor developed.

Teaching Methods:
The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

Grading Procedures:
1. Students are graded on theory and lab practice and performance.
2. Each course must be passed with eighty (80%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.
4. Career Major grades established during coursework are a major criteria in successfully obtaining certification.

Description of Classroom, Laboratories, and Equipment:
Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit:
The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Tulsa Community College. See program counselor for additional information.
College Credit Eligibility: The student must maintain a grade point average of 3.0 or better.

Chapter Learning Objectives and Content Outlines

Professional Responsibilities and Relations

Chapter Objectives:
- Describe the characteristics of the professional surgical technologist.
- Compare and contrast professional organizations related to the profession.
- Describe the credentialing options available to the surgical technologist.
- Compare and contrast the roles of team members in the operating room.
- Acknowledge the proper chain of command in the facility, and the operating room.
- Compare and contrast health care facilities departments that relate to direct and indirect patient care in surgical services.
- Discuss career opportunities available to the surgical technologist

Content Outline:
- Traits of a professional Surgical Technologist
- Personal and professional behaviors
- Surgical Technologist’s scope of practice
- Role of the Surgical Technologist
- Tasks and delegation
- Training and Certification for Surgical Technologists
- Personnel in the Health Care Environment
- Healthcare facility chain of command
- Accountability
- Critical thinking skills
- Surgical Conscience
- Support of profession
- Participation in professional development
- Education of others about Surgical Technology
- CAAHEP
- ARC/STSA
- AST
- NBSTSA
- Related professional organizations (WHO, EPA, FDA, AORN, OSHA, etc.)
- Private volunteer agencies
- Careers for Certified Surgical Technologists

Interpersonal Relationships and Communication Skills

Chapter Objectives:
- Discuss types of communication relationships
- Discuss goals of communication
- Describe the significance of content and tone in communication
- Distinguish between assertive and aggressive behavior
- Discuss problem behaviors and coping mechanisms
- Describe concepts of conflict resolution
- Demonstrate principles of communication in the surgical setting
- Demonstrate body language and non-verbal communication
- Demonstrate principles of teamwork in the surgical environment

Content Outline:
- Types of communication relationships
- Goals of communication
- Principles of communication
- Verbal and nonverbal communication
- Components of communication
- Qualities of communication
- Principles of good teamwork and group interaction
INTRODUCTION TO SURGICAL TECHNOLOGY

- Conflict management and problem behaviors
- Conflict resolution
- Constructive criticism
- Sexual harassment and hostile environment
- Stress in the OR environment
- Cultural Differences

Legal and Ethical Responsibilities

Chapter Objectives:
- Analyze the concept of law
- Review the Professional Standards of Conduct.
- Analyze the procedures for obtaining informed surgical consent
- Analyze the legal concepts of obtaining informed surgical consent
- Analyze the recommended practice and legal elements of proper documentation
- Explore the elements of risk management
- Review the AHA Patient Care Partnership
- Discuss the influence of ethics in professional practice
- Discuss examples of ethical situations in the healthcare setting
- Discuss the key elements of the term "surgical conscience"
- Discuss the principles of patient confidentiality

Content Outline:
- AHA Patient Care Partnership
- Elements of ethical decision making
- Ethical conflicts/dilemmas in clinical practice
- Ethical behavior
- Surgical Conscience
- Definition and sources of Law
- Legal Doctrines
- Standards of Conduct
- Professional Code of Ethics
- Legal Actions
- Risk Management
- Delegation
- Civil and Criminal Liability
- Legal Documents
- Informed Consent
- Patient Confidentiality

Surgical Environment & Equipment

Learning Objectives:
- Discuss the location of surgical services within the facility.
- Describe basic floor plan designs for surgical services.
- Describe the floor plan of the operating room.
- Describe the environmental systems and controls within the operative environment.
- State the proper ranges for temperature and humidity controls.
- Describe the various components of the operating room ventilation system.
- Identify basic operating room furniture and equipment.

Content Outline:
- Principles of Surgical suite layout
- Traffic patterns in the Operating Room
- Physical environment
- Environmental Systems
- Environmental Controls
- Ventilation Systems
- Surgical Services Area
INTRODUCTION TO SURGICAL TECHNOLOGY

- Surgical Suite
- Special Procedure Rooms
- Hospital Departments and Functions
- OR furniture
- OR Basic equipment (ECU, Tourniquet, Bed attachments, etc.)