



Western Technical College

## 10512136 Surgical Technology Clinical 4

### Course Outcome Summary

#### Course Information

<b>Description</b>	During this clinical course the student will function relatively independently. Serves as a transition from a student perspective to an employee by utilizing advanced skills for an entry level Surgical Technologist.
<b>Career Cluster</b>	Health Science
<b>Instructional Level</b>	Associate Degree Courses
<b>Total Credits</b>	3
<b>Total Hours</b>	216

#### Pre/Corequisites

Pre/Corequisite 10512135 Surgical Technology Clinical 3

#### Textbooks

*Alexander's Surgical Procedures*. Copyright 2012. Rothrock, Jane C. Publisher: Elsevier Science. **ISBN-13:** 978-0-323-07555-8. Required. (Part of Western Bundle Package **ISBN-13:** 978-0-323-46478-9)

*Surgical Technology for the Surgical Technologist: A Positive Care Approach*. 5th Edition. Copyright 2018. Association of Surgical Technologists. Publisher: Cengage Learning. **ISBN-13:** 978-1-305-95641-4. Required.

*10-512-125: Surgical Tech Lab Booklet*. Copyright 2023. Publisher: Western. **ISBN-13:** 979-8-822-79230-2. Required.

#### Success Abilities

1. Cultivate Passion: Enhance Personal Connections

2. Cultivate Passion: Expand a Growth-Mindset
3. Cultivate Passion: Increase Self-Awareness
4. Live Responsibly: Develop Resilience
5. Live Responsibly: Embrace Sustainability
6. Live Responsibly: Foster Accountability
7. Refine Professionalism: Act Ethically
8. Refine Professionalism: Improve Critical Thinking
9. Refine Professionalism: Participate Collaboratively
10. Refine Professionalism: Practice Effective Communication

## High Impact Practices

1. Capstone Experience: in this course, you will develop a project that integrates and applies many of the concepts, skills, and characteristics needed of an industry expert in the field.
2. Technology-Enhanced Learning: this course will incorporate digital technologies like gamification, virtual reality experiences, or simulations. In addition, you will create technology-enhanced products such as ePortfolios, multimedia presentations, or other e-products to showcase your learning.
3. Work-Based Learning: this course applies your learning to your desired profession by working in industry placements such as internships, practicums, clinicals, or co-ops.

## Program Outcomes

1. Apply healthcare and technological science principles to the perioperative environment
2. Maintain principles of sterile technique in the surgical environment
3. Provide a safe, efficient, and supportive environment for the patient
4. Prepare the patient, operating room and surgical team for the preoperative phase
5. Perform intraoperative case management in the scrub role
6. Perform postoperative case management
7. Function as an ethical, legal, and professional member of the healthcare team as determined by governing bodies

## Course Competencies

### 1. Adapt to clinical site relatively independently.

#### Assessment Strategies

- 1.1. in the clinical setting with a checklist

#### Criteria

*You will know you are successful when*

- 1.1. you demonstrate continued competence obtained in Clinical 3.
- 1.2. you perform skills in an expedient or minimal time frame.
- 1.3. you perform primarily without supporting cues.

#### Learning Objectives

- 1.a. Develop learning opportunities in cooperation with clinic site routines relatively independently.
- 1.b. Integrate problem-solving and conflict management skills within the perioperative setting relatively independently.

- 1.c. Self-manage professionalism in the scrub role during an arranged clinical experience relatively independently.

## **2. Practice standard precautions.**

### **Assessment Strategies**

- 2.1. in the clinical setting with a checklist

### **Criteria**

*You will know you are successful when*

- 2.1. you demonstrate continued competence obtained in Clinical 3.
- 2.2. you perform skills in an expedient or minimal time frame.
- 2.3. you perform primarily without supporting cues.

### **Learning Objectives**

- 2.a. Develop principles of standard precautions relatively independently.
- 2.b. Self-manage appropriate personal protective equipment use within the perioperative setting relatively independently.
- 2.c. Self-manage breaks in sterile technique following facilities protocols relatively independently.

## **3. Maintain sterile technique.**

### **Assessment Strategies**

- 3.1. in the clinical setting with a checklist

### **Criteria**

*You will know you are successful when*

- 3.1. you demonstrate continued competence obtained in Clinical 3.
- 3.2. you perform skills in an expedient or minimal time frame.
- 3.3. you perform primarily without supporting cues.

### **Learning Objectives**

- 3.a. Integrate a "surgical conscience" during perioperative activities relatively independently.
- 3.b. Solve contamination, adhering to principles of sterile and aseptic technique relatively independently.
- 3.c. Integrate methods for monitoring the sterile field relatively independently.

## **4. Perform preoperative case management relatively independently.**

### **Assessment Strategies**

- 4.1. in the clinical setting with a checklist

### **Criteria**

*You will know you are successful when*

- 4.1. you demonstrate continued competence obtained in Clinical 3.
- 4.2. you perform skills in an expedient or minimal time frame.
- 4.3. you perform primarily without supporting cues.

### **Learning Objectives**

- 4.a. Case-manage the supplies, equipment, and instrumentation needed for a procedure relatively independently.
- 4.b. Integrate sterile technique when opening sterile supplies in preparation of a surgical procedure relatively independently.
- 4.c. Correct contamination during the opening process relatively independently.
- 4.d. Integrate the principles of asepsis while gowning and gloving self and team members relatively independently.
- 4.e. Integrate the process of organizing the sterile field relatively independently.
- 4.f. Integrate the principles of economy and motion relatively independently.
- 4.g. Develop principles of spatial awareness when organizing the sterile field relatively independently
- 4.h. Integrate the finalization of the sterile field relatively independently
- 4.i. Integrate the modifications to setting up the sterile field that must be taken when a special circumstance occurs.
- 4.j. Self-manage the procedure for counting sponges, sharps, instruments, and accessory items on the field relatively independently

- 4.k. Integrate the principles of asepsis when preparing drapes, draping the patient, furniture, and equipment relatively independently

**5. Perform intraoperative case management relatively independently.**

**Assessment Strategies**

- 5.1. in the clinical setting with a checklist

**Criteria**

*You will know you are successful when*

- 5.1. you demonstrate continued competence obtained in Clinical 3.  
5.2. you perform skills in an expedient or minimal time frame.  
5.3. you perform primarily without supporting cues.

**Learning Objectives**

- 5.a. Integrate fire safety precautions during the intraoperative surgical phase relatively independently.  
5.b. Develop aseptic technique and identify breaks in sterile technique in the perioperative setting relatively independently.  
5.c. Coordinate anticipation of surgeon and team needs relatively independently.  
5.d. Demonstrate methods of monitoring the sterile field relatively independently.  
5.e. Integrate the principles asepsis for basic wound care techniques needs relatively independently.  
5.f. Assess the needs of the surgical team relatively independently.  
5.g. Integrate correct instrumentation passing relatively independently  
5.h. Self-manage medication relatively independently.  
5.i. Self-manage sharps safety relatively independently.  
5.j. Integrate proper suture selection, preparation, handing and cutting techniques relatively independently  
5.k. Integrate proper placement, handling, loading, and disposal surgical needles relatively independently  
5.l. Self-manage techniques with handling various types of specimens relatively independently.  
5.m. Self-manage surgical counts relatively independently

**6. Perform postoperative case management relatively independently.**

**Assessment Strategies**

- 6.1. in the clinical setting with a checklist

**Criteria**

*You will know you are successful when*

- 6.1. you demonstrate continued competence obtained in Clinical 3.  
6.2. you perform skills in an expedient or minimal time frame.  
6.3. you perform primarily without supporting cues.

**Learning Objectives**

- 6.a. Coordinate the preparation of surgical dressings relatively independently.  
6.b. Integrate the application of surgical dressings relatively independently.  
6.c. Self-manage the breakdown of the sterile field relatively independently.  
6.d. Coordinate safe action with disposal of all biohazard sharps relatively independently  
6.e. Integrate standard precautions to all biohazard products during handling relatively independently.  
6.f. Integrate disinfection of the surgical environment relatively independently  
6.g. Self-manage correct doffing of surgical attire and properly dispose relatively independently  
6.h. Self-manage hand washing at designated scrub sink relatively independently.

**7. Operate within the legal, moral, and ethical responsibilities of the surgical technologist.**

**Assessment Strategies**

- 7.1. in the clinical setting with a checklist

**Criteria**

*You will know you are successful when*

- 7.1. you demonstrate continued competence obtained in Clinical 3.  
7.2. you perform skills in an expedient or minimal time frame.  
7.3. you perform primarily without supporting cues.

**Learning Objectives**

- 7.a. Integrate HIPAA guidelines to all interactions within the perioperative setting.
- 7.b. Integrate legal, moral, and ethical principles within the perioperative setting.
- 7.c. Adapt cultural competency within the perioperative setting.
- 7.d. Integrate the key elements related to developing a surgical conscience.
- 7.e. Integrate responsible and accountable behavior within the role of a surgical technologist relatively independently.

## **8. Manage pharmacological agents relatively independently.**

### **Assessment Strategies**

- 8.1. in the clinical setting with a checklist

### **Criteria**

*You will know you are successful when*

- 8.1. you demonstrate continued competence obtained in Clinical 3.
- 8.2. you perform skills in an expedient or minimal time frame.
- 8.3. you perform primarily without supporting cues.

### **Learning Objectives**

- 8.a. Integrate safe practices in accepting and preparing medication in the ST scrub role relatively independently.
- 8.b. Coordinate and understand all medications, solutions, dosages, strengths, and action while in the ST scrub role relatively independently.
- 8.c. Self-manage all medications solutions, dosages, strengths, and actions as they relate to assigned surgical procedures relatively independently.

## **9. Demonstrate professionalism.**

### **Assessment Strategies**

- 9.1. in the clinical setting with a checklist

### **Criteria**

*You will know you are successful when*

- 9.1. you demonstrate continued competence obtained in Clinical 3.
- 9.2. you perform proficiently and confidently.
- 9.3. you perform primarily without supporting cues.

### **Learning Objectives**

- 9.a. Integrate responsible and accountable behavior within the ST role relatively independently.
- 9.b. Develop knowledge to assigned surgical procedures relatively independently.
- 9.c. Develop principles of positive teamwork in the surgical environment relatively independently.

## **10. Assist with circulating duties with supervision.**

### **Assessment Strategies**

- 10.1. in the clinical setting with a checklist

### **Criteria**

*You will know you are successful when*

- 10.1. you demonstrate continued competence obtained in Clinical 3.
- 10.2. you perform skills in an expedient or minimal time frame.
- 10.3. you perform primarily without supporting cues.

### **Learning Objectives**

- 10.a. Integrate operating room preparation relatively independently.
- 10.b. Integrate the monitoring of patient vital signs relatively independently.
- 10.c. Integrate aseptic urinary catheterization relatively independently.
- 10.d. Transport patient to operating room with patient transport device relatively independently
- 10.e. Engage in patient transfer from stretcher to the surgical table relatively independently
- 10.f. Self-manage the connection of accessory device to the patient relatively independently
- 10.g. Integrate patient positioning relatively independently
- 10.h. Integrate surgical skin prep relatively independently
- 10.i. Integrate patient transfer from the surgical table to the stretcher relatively independently

