



BAKER COLLEGE

STUDENT LEARNING OUTCOMES

SUR 2590 Professional Preparation

Semester Credit Hours 3

Program Goals

To prepare competent entry-level surgical technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

Student Learning Outcomes and Enabling Objectives

1. Prepare to sit for the national Certifying Surgical Technologist exam
 - a. Apply previous course knowledge to the CST practice exam.
 - b. Review the surgical technology curriculum to prepare for the CST exam.
2. Investigate emergency trauma surgery
 - a. Examine “damage control” surgery
 - b. Support the needs of the surgical team and patient based on trauma pathophysiology.
 - c. Apply knowledge of trauma pathophysiology to trauma surgery.
3. Investigate the role of the surgical technologist during large scale events that impact the safety, health, and well-being of the public
 - a. Examine types of disasters and public health emergencies
 - b. Describe the environmental impact on public health during large scale disasters
 - c. Discuss the effects of emerging infectious diseases
 - d. Discuss infection control precautions for epidemic, pandemic, and endemic public health emergencies
 - e. Examine the components of a personal disaster plan
 - f. Examine the components of the all-hazards system
 - i. Describe the components of the hospital incident command system
 - ii. Describe the components of the national incident management system
 - iii. Describe the components of the national response framework
4. Evaluate the moral and ethical issues relevant to events that impact the safety, health, and well-being of the public.
 - a. Describe the role of the surgical technologist during triage
 - b. Describe the support roles of the surgical technologist

Big Ideas and Essential Questions

Big Ideas

- Certifying Surgical Technologist (CST) exam
- Trauma Surgery
- All-hazards preparation

Essential Questions

1. What is the importance of gaining certification as a surgical technologist?
2. How does case planning for an emergency trauma surgery differ from case planning for non-emergency cases?
3. Why would the role of the surgical technologist change during an all-hazards event?

These SLOs are not approved for experiential credit.

Effective: Spring 2023