### Course Description:
This course teaches the skills necessary to function as a surgical technologist in the operating room including principles of aseptic technique, and a basic understanding of robotics and their use in the operating room setting. In addition, an understanding of the principles of physics and electricity as it relates to the operating room environment will be covered. (2 hr. lecture)

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<thead>
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<th>Course Competency</th>
<th>Learning Outcomes</th>
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| **Competency 1:** The student will demonstrate aseptic technique as it applies to the operating room by: | • Communication  
• Critical thinking  
• Information Literacy  
• Ethical Issues |
| 1. Identifying rules of aseptic technique  
2. Explaining universal precautions as it relates to the operating room  
3. Describing the purpose and use of personal protective equipment | |
| **Competency 2:** The student will have an understanding of electrical and power equipment used in surgery by: | |
| 1. Explaining safety precautions on electrical equipment  
2. Describing the understanding of an electrical circuit with electrocautery  
3. Demonstrating safety procedures when connecting and disconnecting all electric and power equipment in surgery | |
| **Competency 3:** The student will have an understanding of electricity and fire safety in the operating room by: | |
| 1. Describing the process of broken or damage equipment in surgery  
2. Understanding the use of an electrocautery machine  
3. Describing the surgical technologist role in a surgical fire | |