

## **ANTECH-102: Introduction to Anesthesia Technology**

### Course Description:

This course introduces distinctive areas of anesthesia technology and the role of the technologist. An overview of typical surgical procedures and instrumentation and surgical department orientation are covered as well as medical terminology, blood-borne pathogens and non-patient related emergencies. Research papers on related topics and a group project will be required. Guest speakers and site visits to local health care/diagnostic facilities may be scheduled.

Total Credits: 2.00

### Course Competencies

- 1. Trace the historical aspects of AT**
- 2. Summarize the basic organization of Anesthesia / OR departments**
- 3. Outline the steps taken in non-patient emergencies**
- 4. Outline the credentialing process**
- 5. Explain safety regulations regarding bloodborne pathogens**
- 6. Respect patient's rights and needs following standard hospital policy**
- 7. Utilize mathematics in converting time, weight and temperature from English to metric units**
- 8. Classify the types of surgery commonly performed in the OR**
- 9. Examine HIPPA**
- 10. Explain the function of the healthy adult human heart**
- 11. Work as a member of an anesthesia team in a group project**
- 12. Research an anesthesia technology topic of your choice**