

Prerequisite: BMT 211

Corequisite: none

- a. Test and calibrate an electrosurgical unit
- b. Test an infusion pump for proper operation
- c. Identify common battery technologies and their charging requirements
- d. Test and calibrate a dialysis machine
- e. Read hydraulic and pneumatic circuit diagrams
- f. Test and calibrate a ventilator
- g. Identify network addresses and configure security
- h. Explain the use and operation of common imaging modalities: X-ray, PET, MRI and Ultrasound

- I) Electrosurgical Unit (ESU)
 - A) Purpose and operation
 - B) Calibrating Patient safety circuit (REM)
 - C) Measuring delivered power
 - D) Electrical circuit

- II) Infusion Pumps
 - A) Purpose and operation of infusion pumps
 - B) Patient safety
 - C)

- IV) Dialysis Machine
 - A) Purpose and operation of a dialysis machine
 - B) Patient safety
 - C) Testing and calibrating sensors

D) Electrical circuit

V)