

Maintenance workshop skills

Target group: Engineers / Technicians working in a hospital maintenance workshop.

On completion of the course you will be able to:

- To trouble shoot problems with medical equipment
- To do preventative maintenance
- To do 1st and 2nd line maintenance and repair of equipment
- To communicate with equipment suppliers and maintenance departments about trouble shooting, part replacement and repairs.

Content:

- Trouble shooting theory
- Care and use of test equipment and tools
- Electrical safety
- Use operation and maintenance manuals, circuit diagrams and part replacement guides
- Carry out basic preventive maintenance and mechanical repairs.
- Basic theory, operation and calibration
- Practical maintenance and repair of the following equipment (theory and practice):
 - respirators
 - defibrillators
 - spirometers
 - nebulizers
 - dental equipment
 - ophthalmic equipment
 - sterilizers
 - audiometers
 - ECG monitors
 - infusion pumps
 - doppler ultrasound
 - pulse oximeters
 - centrifuge
 - suction machines
 - oxygen concentrator
 - medical gas cylinders
 - ventilators
 - X-ray
 - CT scanners
 - MRI scanners
 - film processors
 - ultrasound imaging
 - patient monitoring system
 - spectrophotometers
 - clinical chemistry instruments
 - anesthesia machines
 - autoclaves
 - microscopes
 - dialysis equipment
 - external pacemakers