

MAINTENANCE WORKSHOP SKILLS

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

On completion of the course you will be able:

- To trouble shoot problems with medical equipment
- To carry out preventive 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
- Using operation and maintenance manuals
- Circuit diagrams, basic preventive maintenance
- Part replacement guides, mechanical repairs
- Basic theory
- Operation
- Calibration
- Practical maintenance and repair of the following equipment (theory and practice):
 - respirators
 - defibrillators
 - spirometers
 - nebulisers
 - dental equipment
 - ophthalmic equipment
 - sterilisers
 - audiometers
 - ECG monitors
 - infusion pumps
 - doppler ultrasound
 - pulse oximeters
 - centrifuge
 - suction machines
 - oxygen concentrator
 - medical gas cylinders
 - ventilators
 - x-ray
 - CAT scanners
 - MRI
 - film processors
 - ultrasound imaging
 - patient monitoring system
 - spectrophotometers
 - clinical chemistry instruments
 - anesthesia machines

- autoclaves
- microscopes
- dialysis equipment
- external pacemakers

Schedule:

Total duration	4 modules of 1 week spread over 6 months
Number of participants	24 (maximum)