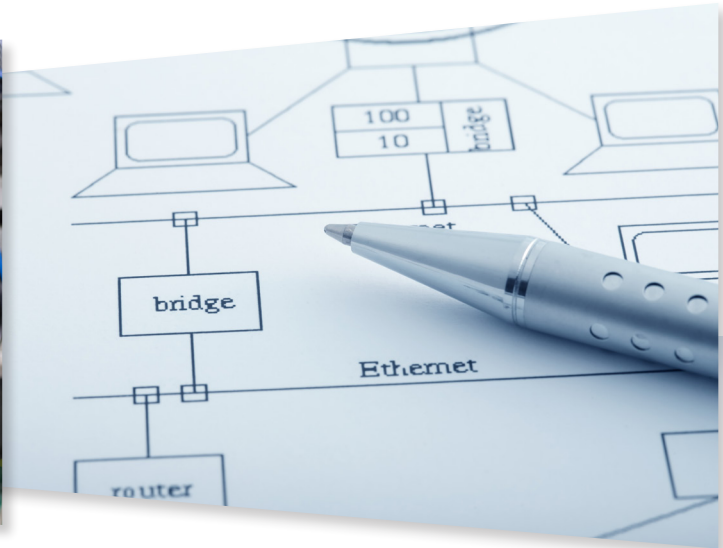


Unit 7 – Medical Equipment Networking



Medical Equipment Networking – 3 Days with E-Learning

This course intends to provide learners with an understanding of networking and using networks to integrate medical devices. It includes the theory of networking and the practice of assembling networks of a variety of devices including medical devices and servers. It is suitable for all biomedical technicians & engineers and does not require any prior networking knowledge.

Overview

- Organisation and Safety Requirements
- Health & Safety
- Documentation & Legislation
- Patient confidentiality and data security
- Introduction to computers and operating systems
- Equipment management databases
- Maintenance of software-driven medical technology
- Introduction to networks in healthcare
- Network installation and maintenance
- Basics of network security
- Routers and DHCP servers
- Wireless networks and telemetry
- PACS & DICOM
- HL7
- Electronic Patient Records

Objectives

On successful completion of this unit the candidate will be able to:

- Understand the relevant and current legislative and statutory requirements relating to the unit and understand their role in protecting patient data and data security
- Understand the theoretical principles of the unit
- Understand the basics of and computers, operating systems and databases
- Understand the principles of operation of networks
- Install, administer and troubleshoot wired and wireless networks
- Understand and maintain software-driven medical technology
- Understand the basics of and troubleshoot PACS/ DICOM and HL7