

Essentials of Healthcare IT Course Outline

Course Summary:

This instructor-led class is specifically designed for technical professionals responsible for the installation and support of medical devices and the networks interconnecting them. The class is taught by CompTIA® certified Technical Trainers and will focus on developing the practical skills needed by a biomedical engineer to interface with networked devices in healthcare today. Extensive labs with plenty of hands-on time allows the student with no previous IT training to gain confidence in this new and exciting arena. The class will build and troubleshoot flat, switched, routed, and wireless networks. Basic computer skills are required.

Course length:

5 days

Pre-requisites/Required Skills/Pre-course Work:

Basic computer skills

Location:

GE training facilities in Wisconsin

GE training facilities in Florida

At customer locations

Objectives:

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- Examine computer hardware and demonstrate mastery of component identification and installation through the assembly of a PC
- Add hardware, drivers, and peripherals to systems through the installation of printers and NICs
- Computer management and troubleshooting tools through the installation of printers and NICs
- Develop basic mastery of operating system navigation through use of the GUI and the command line
- Flat network design, construction, and troubleshooting
- Switched network design, construction, and troubleshooting
- Routed network design, construction, and troubleshooting
- Wireless network design, construction, and troubleshooting

Equipment reviewed:

Microsoft Windows XP®

Cisco® 2950 and 3550 Switches

Cisco 2650 and 831 routers

Cisco 1200 series access points

Intended audience:

Biomedical engineers

IT technicians

Capacity:

Minimum 6 and maximum 10

Other:

Class can be held at remote location

