GE Healthcare Education Services

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 or biomedical technician to interface with networked devices in healthcare today. Extensive labs with plenty of hands-on time allow 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:

4 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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- Manage computer hardware through the BIOS, driver management and Operating systems utilities
- Computer administration of users, error logs, and troubleshooting tools using both the command line and graphical user interface.
- 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/Software reviewed:

Microsoft Windows 7
Cisco® 2900 and 3500 series Switches
Cisco 2600 and 800 series routers
Cisco 1200 series access points

Intended audience:

Biomedical engineers and technicians
IT technicians

Capacity:

Minimum 6 and maximum 10

Other: Class can be held at remote location