

Education Services

Healthcare IT Education

GE Healthcare offers five Healthcare IT related courses: Essentials of Healthcare IT, Securing the Healthcare IT Environment, Wireless in the Healthcare IT Environment, Essentials of DICOM®, and Essentials of HL7®.

- The Essentials of Healthcare IT course is a great way for biomedical and clinical engineers to learn the basics of healthcare networking by using switches, routers and access points in a hands-on environment.
- The Securing the Healthcare IT Environment course gives biomed a security overview, relevant HIPAA Title II Privacy and Security Rule information, the top 10 HCIT network attacks and ways to prevent them, and strategies to mitigate risk.
- The Wireless in the Healthcare IT Environment teaches wireless/radio frequency basics, WMTS and 802.11 site surveys, 802.11 security, RFID and cellular communications, and wireless troubleshooting.
- The Essentials of DICOM course teaches a technician how to manage the acquisition, movement, and storage of large image files.
- The Essentials of HL7 class is an introduction to the semantics and structure of HL7 V2.x. Students will learn the purpose of HL7 in a healthcare setting, how to build messages, and how to analyze them using the HL7 Messaging Workbench.
- Introduction to HL7 CDA is a course that addresses HL7's Clinical Document Architecture as a global standard using Extensible Markup Language (XML) to address the format, storage and exchange of clinical documents within a health system or between many health systems. Participants in this 3 hour online class will receive an overview of implementing CDA, including its structure and semantics.

GE Healthcare IT courses are specially designed to meet the demands of biomedical and clinical engineers in a hospital setting.

- GE Healthcare IT courses consolidate and condense industry-accepted IT content and packages it in a way that is relevant to technical healthcare professionals.
- The courses condense IT content, focusing on skills needed in a healthcare environment, and provide ample hands-on practice for participants to demonstrate and practice their new skills.

Healthcare IT Education Frequently Asked Questions

Q. Do I need to have GE equipment in order to benefit from the GE Healthcare IT courses?

A. No. GE Healthcare IT courses are designed to benefit any biomedical or clinical engineer regardless of the equipment brand they utilize.

Q. How long are the GE Healthcare IT courses?

A. These IT courses are either three or five days in length. These courses are designed to share core concepts and spend a significant amount of time on hands-on activities and labs allowing the participants to demonstrate their key learnings.

Q. Where are the GE Healthcare IT courses typically offered?

A. GE Healthcare IT courses are offered at any of the three GE Healthcare training facilities: Waukesha, WI; Madison, WI; and Jupiter, FL. as well as several regional locations. If your hospital has multiple individuals that you would like to train, we can also conduct Essentials of Healthcare IT and Securing the Healthcare IT Environment courses on-site at your facility.



Q. Are there any pre-requisites for the GE Healthcare IT courses?

- A.** The Essentials of IT course is a basic networking and troubleshooting course that does not have any prerequisites other than basic computer skills.

The Essentials of Healthcare IT course or equivalent (Net+, MCP, or test-out) is a prerequisite to the Securing the Healthcare IT Environment, Wireless in the Healthcare IT Environment courses, and Essentials of DICOM course.

Q. Are participants certified if they pass a GE Healthcare IT course?

- A.** These courses develop the practical skills needed by a biomedical engineer to maintain networked devices in healthcare today. Currently, successful completion of these courses does not include certification.

Participants will obtain a certificate of completion and continuing education credit from IATET (International Association for Continuing Education and Training).

Participants may also be eligible for college credits upon successful completion through a partnership with the University of Phoenix.

Q. What do GE Healthcare courses cost?

- A.** The cost for the Essentials of Healthcare IT and Essentials of DICOM is \$3,500. The cost for Securing the Healthcare IT Environment, and Wireless in the Healthcare IT Environment is \$5,000 each. The cost of the Essentials of HL7 is \$2,000.

Q. Can I order and include GE Healthcare IT courses as a part of my equipment or service contract?

- A.** Yes. Sales representatives can order education on equipment orders.

Q. Who are the instructors and what qualifications do they have?

- A.** The class is taught by CompTIA-certified Technical Trainers and will focus on developing the practical skills needed by a biomedical engineer to maintain networked devices in healthcare today. Instructors teaching the class hold a range of additional certifications including: A+, Net+, Security+, RFID+, MCP, MCSE, CCNA, CCNP, and CWNA.

These courses are led by instructors who hold IT certifications and teach medical device product classes. They understand and relate to that blended environment. Content and hands-on time allow the student with no previous IT training to gain confidence in this new and exciting arena, regardless of the brand equipment they use in their hospitals. Instructors are focused and concerned about the development of the participants.

Q. Where can I get more information on the GE Healthcare IT courses?

- A.** You can find more information on the specific courses on our website: www.gehealthcare.com/HCIT or call 1-888-799-9921 for more information.

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