Education Services

Maternal Infant Care

Technical Education
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technical service training tailored to fit your needs!

about technical education from GE Healthcare
GE Healthcare Education Services delivers technical education for Diagnostic Imaging, Computed Tomography, Magnetic Resonance, Mammography, Nuclear Medicine/PET, Ultrasound, Monitoring, Diagnostic Cardiology, Infant Care and Anesthesia Delivery Systems and Respiratory products. We also offer a curriculum of Network Infrastructure and Protocols Training classes focused specifically on the needs of today’s biomedical and technical professionals.

customer requirements:
If you are attending one of the classes listed below, please bring a laptop with you to access the electronic service manual during the course. The service manual is going to assist you in the class.

If you are unable to bring a laptop, please bring your service manual to class.

- Apex* Pro CH
- Apex Pro FH
- CARESCAPE® B650
- CARESCAPE® B850
- CARESCAPE® B650/B850 Classes
- Clinical Information Center
- Clinical Information Center v5
- Case*/Cardiosoft*
- Dash* Series
- Enterprise Access with FH
- Enterprise Access with CH
- Image Vault*
- Integrated Patient Monitoring
- LOGIQ® i/e
- LOGIQ E9
- LOGIQ P3
- LOGIQ P5/P6
- LOGIQ S8
- MUSE® 5D/5E
- MUSE 7
- Mars* PC
- Mars v8
- Solar* 9500
- Solar Series
- Vivid* E9
- Vivid q/i
- Voluson® E8/E6
- Voluson i
- Voluson S8/S6

Laptop requirements: PC based (Non Mac) Windows XP Pro or Windows 7; Local Administrator access; Wireless network card (Optional for Internet Access); Wired Network card; DB 9 Serial port; CD ROM drive; Ability to disable any and all spy ware and virus scan programs; HyperTerminal or other terminal emulation software; USB Port; AC Power Cord; Internet Explorer® 8 or greater; Adobe Reader 6.0 or greater; Latest Flash Plug in; Windows Media Player 10 or greater

Note: At the present time, laptops are not a requirement for any of the anesthesia training classes.

our goal
To be recognized as the global leader in healthcare education solutions.
- Building customer knowledge and competencies through a diverse educational portfolio in an increasingly complex healthcare environment.
- Striving to exceed customer expectations by delivering exceptional quality education that is clinically relevant and has a measurable impact on practice.
- Be a provider of choice for Network Infrastructure and Protocols Training education regardless of medical equipment choices, previous learning or experience.

registration instructions
Registration is online.
Go to www.gehealthcare.com/training and choose the appropriate category for course schedules and registration link. Select your course and complete all information. Print a copy for your files before submitting. When done, click on Save and Submit to send registration form to a Training Coordinator.

Students enrolling in Maternal Infant Care technical classes are required to submit the Technical Agreement & Employment Verification Form located on the electronic form. Print a copy of the form, complete and sign. Fax signed form to 1-262-546-0997.
policies and terms

education centers

- Waukesha, WI
  The Healthcare Institute has expanded to include classrooms to support anesthesia classes and our new Network Infrastructure and Protocols Training curriculum.

- Jupiter, FL
  Our center of excellence for patient monitoring product support now includes new classrooms featuring our new Network Infrastructure and Protocols Training curriculum and many GE product training classes.

remote locations

Periodically, we take classes to strategic locations for added customer convenience. Check our website for the most current list of classes www.gehealthcare.com/training.

hosting a class

If you have a group to train, consider hosting a class at your facility. Our instructors can bring a number of our courses to you for maximum flexibility and convenience. You eliminate travel expense and have the advantage of training multiple staff at the same time, which can reinforce learning.

pre-requisites

Many classes contain lecture and lab exercises requiring networking skills. The fundamentals of networking are not covered in products classes.

The following IT skills are required prior to enrollment*:

- IP addressing
- switch troubleshooting
- troubleshooting wireless networks
- subnetworking
- router configuration
- network connectivity
- hard drives
- access control paths

* courses requiring healthcare IT competency are identified on the course description page

accepted demonstration of healthcare IT competency:

- CompTIA Network+, Microsoft MCSE, or Cisco CCNA certification
- Essentials of Healthcare ITSM
- Participants may complete a test to demonstrate IT competencies required for specific courses.

For your convenience, we now have one number to call for information on any course.

1-888-799-9921

attendance

- Students are required to arrive on time for class.
- Class start and end times vary. Please refer to your e-mail enrollment notification.
- For no-shows (i.e. registered students who do not attend the class but do not cancel in advance of the class start date), there is a no-show fee of full course tuition.
- Students must pass an assessment to receive certificate of successful completion.

low enrollment

GE Healthcare reserves the right to cancel classes due to low enrollment. Classes with low enrollment 15 business days prior to the scheduled date will be cancelled. Please consider this when booking your travel.

When GE Healthcare cancels a class, tuition will be refunded in full. Alternatively, tuition may be applied to the cost of another class scheduled to take place within 12 months of the original class.

GE Healthcare will not be held responsible for any travel costs incurred due to circumstances beyond our control, such as, but not limited to, hurricanes, tornados, or labor strikes.

cancellations

- Cancellations can be made by email or phone: edservices@ge.com or by contacting 888-799-9921.
- For cancellations made more than 3 weeks prior to the class start date, there is no cancellation fee.
- For cancellations made 7-15 business days prior to the class start date, there is a cancellation fee of 25% of course tuition. For cancellations made 1-6 business days prior to the class start date, there is a cancellation fee of 50% of course tuition.
- For no-shows (i.e. registered students who do not attend the class but do not cancel in advance of the class start date), there is a no-show fee of full course tuition.
- GE reserves the right to cancel or reschedule any class for any reason and at any time. GE will not be held responsible for any travel costs incurred due to causes beyond our control, such as, but not limited to, hurricanes, tornados, or strikes.

order expiration

Diagnostic Imaging Courses - Training expires 24 months after order date.

Devices, Healthcare IT, and Ultrasound Courses - Training expires 18 months after order date.

use of media & recording devices

The Healthcare Institute’s (HCI) policies prohibit the use of any unauthorized personal removable media and recording devices in any courses, classrooms, and labs without the express consent of GE Healthcare. This includes, but is not limited to the following:

- Cell phones
- Still Cameras
- Video or audio recording devices
- Any external hard drives (Network or other)
- Any form of memory cards including, but not limited to, CompactFlash card, Secure Digital card (SD card), or Memory Stick
- Any other flash read/write media
- Any other USB read/write media

GE health and safety policy

GE Healthcare requires students to wear closed-toe and closed-heel shoes while attending training. Safety toe-shoes are required, but steel-toe shoe covers are available in the classroom. MR courses require composite toe safety shoes. Open-toe, high-heel shoes or sandals are not permitted.
BiliSoft* LED Phototherapy System

This brief online technical training course provides an overview of the BiliSoft LED Phototherapy System. It shows participants how to identify the circuit boards and list their major functions along with troubleshooting system errors and problems.

intended audience:

- biomedical equipment technicians
- biomedical and clinical engineers

product number
Tuition:
M1168750 $50

delivery method
web

length of course
1 hour

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
CARESCAPE* B650 Monitor Technical Service Class

The goal of the CARESCAPE Monitor B650 course is to teach the theory and operation of the CARESCAPE Monitor B650 in the wired and wireless network environment. This course provides hands-on experience using the Webmin service interface to configure default settings, activate the options and features licenses, perform the calibration procedures for supported hemodynamic parameter modules, and Airway Gas module. The CARESCAPE Monitor B650 course covers corrective maintenance, planned maintenance procedures, software transfer procedures, and service special tools.

Students will gain experience creating the wireless and wired networks the B650 Monitor will reside. Students will be actively involved in Information Technology discussions and activities that will help the student better understand how to troubleshoot the CARESCAPE Monitor B650, as well as the wired or wireless network, where the CARESCAPE Monitor B650 will reside.

intended audience:
- biomedical equipment technicians
- biomedical and clinical engineers

product number
Tuition:
2020786-231 $7,925
Tuition & lodging:
2020786-232 $8,850
Tuition, lodging & air:
2020786-233 $9,745*
*US only

delivery method
classroom

length of course
5 days

IT skills required
GE Essentials of Healthcare IT or equivalent

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
CARESCAPE* B850 Monitor Technical Service Class

The goal of the CARESCAPE Monitor B850 course is to teach the theory and operation of the CARESCAPE Monitor B850, use of Webmin service interface, configuration, licensing the options and features, calibration procedures for supported hemodynamic parameter modules, corrective maintenance, planned maintenance, maintenance procedures, software transfer procedures, and service special tools.

intended audience:

- biomedical equipment technicians
- biomedical engineers

course competencies:

upon successful completion of this course, the student should be able to:

- Provide an overview of CARESCAPE Monitor B850 system (CPU, Software, Displays, Input devices, Frames and RACs)
- Identify acquisition devices/modules that are compatible with CARESCAPE Monitor B850 (E-Modules, Tram Modules, Printer and Writers, iPanel, Unity Network ID)
- Recognize the system hazards and safety rules
- Configuration of CARESCAPE Monitor B850 and compatible peripherals and external devices
- Create Clinical Default Settings
- Identify system service strategy
- Identify Disassembly and Reassembly procedures
- Identify system hardware components to the FRU level
- Perform Maintenance and Checkout
- Perform Webmin diagnostics
- Calibrate the Gas calibration
- Calibrate the NIBP parameter
- Calibrate the IP parameter
- Calibrate the Temperature parameter
- Calibrate the ECG Analog output
- Calibrate the IP Analog output
- Calibrate the touch screen
- Perform Installation Checkout
- Perform System Maintenance

course equipment:

- CARESCAPE Monitor B850
- F5 and F7 Frames
- E-PRESTN
- E-PSM(IP)
- E-CAiOV
- PDM
- Tram-Rac and TRAM Module
- 15 and 19 inch displays

product number
Tuition:
2020786-193 $8,295
Tuition & lodging:
2020786-194 $9,220
Tuition, lodging & air:
2020786-195 $10,115*
*US only

delivery method
classroom

length of course
5 days

IT skills required
GE Essentials of Healthcare IT or equivalent

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Clinical Information Center Series (CIC)

This course is intended for participants who utilize multiple versions of the CIC hardware and software. This class teaches the practical skills needed to understand, configure and troubleshoot the various Clinical Information Center Series (CIC) systems. Multiple hardware and software versions are covered in the course and course materials. Participants learn basic clinical software navigation, as well as software configuration and service tools.

In addition, the course provides a detailed explanation of the individual hardware components, planned maintenance procedures and troubleshooting techniques to improve service skills. Participants will also learn about integration and interconnectivity with patient monitors to expand system capabilities. Hands-on labs give practical experience, while reinforcing principles learned in class.

intended audience:
- biomedical equipment technicians
- biomedical and clinical engineers

product number
Tuition:
2030677-014 $7,585
Tuition & lodging:
2030677-015 $8,510
Tuition, lodging & air:
2030677-016 $9,405*

*US only

delivery method
classroom

length of course
4 days

IT skills recommended
GE Essentials of Healthcare IT or equivalent

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Clinical Information Center v5

This technical service class, for the Clinical Information Center (CIC) version 5 and peripherals, illustrates the practical skills needed to configure and troubleshoot the complete system. Participants are involved in basic clinical software navigation and the comprehension of software configurations to aid in troubleshooting clinical issues. Explanation of the individual hardware and software components, installation configuration procedures, planned maintenance procedures and troubleshooting techniques are provided to improve service skills. Learn about integration and interconnectivity with Patient Monitors and other Monitoring Solutions components to expand system capabilities. Participants will learn hands-on skills in labs designed to reinforce principles reviewed in class.

intended audience:

• Technical service personnel who have attended similar product training more than 2 years ago, new hire personnel and those that are looking for more advanced training on the Clinical Information Centers (CIC).

course competencies:

upon successful completion of this course, the student should be able to:

• Assess different configuration options relating to hardware and software for the CIC Version 5 system from material presented in the course.
• Explain the advantages of the product features provided with Version 5 software toward clinical efficiency.
• Assess required licenses to activate features required for specific hospital location clinical needs, i.e. “Physicians Review Station” vs. “Monitoring Station”
• Perform configuration procedures such as but not limited to: Installation with Webmin, Multi-KM, and Licensing.
• Demonstrate proficiency of course material through configuration and operational navigation hands-on labs.
• Analyze and successfully troubleshoot any failures, using service documentation, course material, and troubleshooting tools demonstrated during class.
• Explain repair/replacement procedures for Field Replaceable Units (FRUs) on the CIC Version 5 system from material presented in the course.
• Demonstrate proper use of all special tools and test equipment during all hands-on service procedures.
• Explain and demonstrate the Post Service checkout procedure to validate operation after installation, repair, or replacement procedures.

product number

Tuition:

2020786-060 $5,175
2020786-061 $5,730
2020786-062 $6,625* *US only

Tuition & lodging:

2020786-061 $5,730

Tuition, lodging & air:

2020786-062 $6,625* *US only

delivery method

classroom

length of course

3 days

IT skills required

The following skills are required for successful completion: IP Addressing, Subnetting, Hard Drives, Hardware Replacement, Switch Troubleshooting, Router Configuration, Router Access Control Lists, Router Troubleshooting, POST, Network Connectivity, Communication Paths, Network Troubleshooting and Back-up Systems.

IT skills recommended

GE Essentials of Healthcare IT or equivalent

program information

Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Corometrics* 120 Series Maternal/Fetal Monitors

The Corometrics 120 monitor interactive training CD provides a step-by-step review of the disassembly and assembly process. From the introduction of the parts down to the removal of the front bezel power switch, this interactive CD gives a comprehensive approach to servicing the 120 series.

intended audience:
- biomedical equipment technicians
- biomedical and clinical engineers

product number
Tuition:
202206-001 $500

delivery method
CD

length of course
1-2 hours

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Corometrics* 250 Series Maternal/ Fetal Monitors

The Corometrics 250 monitor interactive service training program provides participants a review on how to repair and maintain this product. The program starts with an overview of the differences between the 120 series and the 250 series. It then points out the major features of the monitor and provides a high level theory of operation. The majority of program demonstrates how to access and remove the field replaceable units (FRUs). Also included in the program are the maintenance suggestions and answers to frequently asked troubleshooting questions. This course can be completed with an interactive CD or as an online course.

intended audience:
- Biomedical equipment technicians
- Biomedical and clinical engineers

product number
Tuition: 2020786-026 $350

delivery method
online

length of course
self-paced

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Corometrics* 250CX Clinical Overview

This online course is designed to familiarize clinicians with the operation of the Corometrics* 250cx series monitors. Topics include a basic overview of the recording modes, setup screens, connecting the monitor to the patient and initiating fetal monitoring, as well as maintenance recommendations.

intended audience:
• biomedical equipment technicians
• biomedical and clinical engineers

product number
Tuition:
2020786-064 $25

delivery method
online

length of course
self-paced

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Dash* 2500

The Dash 2500 technical training program is designed to teach service personnel how to service and install the Dash 2500 monitor. It also covers how to disassemble/reassemble the monitor, perform a functional checkout and basic troubleshooting tips.

intended audience:
- biomedical equipment technicians
- biomedical and clinical engineers

product number
Tuition:
2020786-078 $350

delivery method
web

length of course
4 hours

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Dash* Series Technical Service Class

The Dash Series class illustrates the practical skills needed to configure and troubleshoot the Dash 3000/4000/5000 monitors and peripherals. Participants will learn software navigation, as well as software configuration and service tools. The course presents a detailed explanation of the individual hardware and software components, planned maintenance procedures, and troubleshooting techniques to improve service skills. Learn about integration and interconnectivity with Rac2A, Unity Network ID, and other monitoring components to expand system capabilities. Hands-on labs include activities where participants interconnect Dash monitors on both a hardwire and wireless networks, disassemble/assemble Dash units, and install software to repair units.

intended audience:

- Biomedical equipment technicians
- Biomedical and clinical engineers

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*US only

delivery method

classroom

length of course

4 days

IT skills recommended

GE Essentials of Healthcare IT or equivalent

program information

Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Giraffe* Omnibed* & Incubator

The Giraffe* technical class provides comprehensive instruction for both the Giraffe OmniBed* and the Giraffe Incubator. Upon completion, students will have an understanding of the differences between the two systems’ functionality and hardware. Hands-on exercises will allow participants to perform expected annual preventive maintenance, adjustments, calibrations, and service checks. This course does not cover the Ohio* Infant Warmer Systems or the Care Plus* Incubators – a separate course is available for these Infant Care products.

intended audience:

• Biomedical equipment technicians
• Biomedical and clinical engineers

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*US only

delivery method
classroom

length of course
2 days

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
**Giraffe* and Panda* iRes Warmer**

The Giraffe* & Panda iRes* Warmer technical class instruct students on the features of both warmers along with how to install, service, repair, and maintain them. The course also covers the Integrated Resuscitation System (IRS).

**intended audience:**
- Biomedical equipment technicians
- Biomedical and clinical engineers

**product number**

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**delivery method**
classroom

**length of course**
3 days

**program information**
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Giraffe* Shuttle Technical Training

The Giraffe Shuttle Technical Training is an online, self-paced training course. It is designed to teach Field Engineers, Technical Support personnel and customers the features of the Giraffe Shuttle, and how to install, service, repair and maintain the system.

intended audience:
• Biomedical equipment technicians
• Biomedical and clinical engineers

course competencies:
upon successful completion of this course, the student should be able to:
• Provide a high level description of the product and how to perform basic operation, such as attaching to an infant bed, and properly charging the unit
• Successfully install the product
• Troubleshoot issues which can occur, isolate problem to component level
• Perform the required service checkout procedures
• Replace components that are available as Field Replaceable Units (FRUs)

product number
Tuition:
M1227703 $355

delivery method
web

length of course
2 hours

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Infant Warmer & Care Plus Incubator

The Infant Care class covers all currently supported models of both the Infant Warmer Systems and the Care Plus** Incubators. This course is designed to provide the knowledge necessary to identify and correct possible operator errors, perform calibrations, disassemble and assemble major components. Skills are reinforced through structured labs that guide participants through calibration, adjustment procedures, and planned maintenance of the equipment.

intended audience:
- Biomedical equipment technicians
- Biomedical and clinical engineers

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*US only

delivery method
classroom

length of course
3 days

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
MIC Corometrics* 250cx Series Full Service Training

The Maternal Infant Care Corometrics* 250cx Series monitor can be used for routine non-invasive and invasive fetal monitoring throughout labor and delivery. This Maternal/Fetal Monitor is intended for monitoring maternal vital signs to help assess maternal well-being. This course provides information on system components and the service tasks required to operate, troubleshoot, service and calibrate this system.

intended audience:
- Biomedical equipment technicians
- Biomedical and clinical engineers

course competencies:
upon successful completion of this course, the student should be able to:
- Identify the features of Corometrics 250cx series
- Identify functional differences between Corometrics 256 and 259 models
- Identify external components of the Corometrics 250cx series
- Perform installation and configuration
- Identify checks, maintenance and calibration requirements
- Perform FRU replacement
- Perform electrical safety test
- Troubleshoot service scenarios utilizing the Service Manual

product number
Tuition:
2020786-374 $500

delivery method
web

length of course
4.5 hours

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Panda* Freestanding and Wall Mount Warmer Differences (Web)

Panda Freestanding and Wall Mount Infant Warmer Training is a web based differences training course for experienced FEs who have taken Giraffe & Panda Warmer Technical Training (GEHC-TECH-TT-7121 or equivalent). It provides an introduction to the components, features, installation and servicing procedures for the Freestanding and Wall Mount Warmer systems.

intended audience:

- Biomedical equipment technicians
- Biomedical and clinical engineers

course competencies:

upon successful completion of this course, the student should be able to:

- Identify the new Infant Warmer models, features, and options of the Freestanding and Wall mount Warmers
- Explain the GE Service responsibilities, limitations and safety aspects for the new Warmer models
- Describe the functional components of the Freestanding and Wall Mount Warmers
- Explain new Installation, and Checkout procedures specific to Freestanding and Wall Mount Warmers
- Explain Model specific Heater Head alignment procedure changes
- Explain Freestanding Warmer base repair

product number
Tuition:
2020786-317 $355

delivery method
web

length of course
3 hours

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Solar* Series Technical Service Class

This technical service class for the Solar 8000i/8000M products and peripherals, illustrates the practical skills needed to configure and troubleshoot the complete system. Participants are involved in basic clinical software navigation and the comprehension of software configuration and service tools. The course provides a detailed explanation of the individual hardware and software components, planned maintenance procedures and troubleshooting techniques to improve service skills. Participants learn about integration and interconnectivity with Tram**, & Rac**, and Patient Data Modules (PDM), Transport Pro v2, Unity Network® ID and other Monitoring Solutions components to expand system capabilities. Participants will learn hands-on skills in labs designed to reinforce principles reviewed in class.

Note: The Solar Series class does not include CIC/CIC v.5 instruction. For more information, please see course descriptions for CIC and CIC v.5.

intended audience:
- Biomedical equipment technicians
- Biomedical and clinical engineers

product number
Tuition: 2030677-011 $7,595
Tuition & lodging: 2030677-012 $8,520
Tuition, lodging & air: 2030677-013 $9,415*
*US only

delivery method
classroom

length of course
4 days

IT skills recommended
GE Essentials of Healthcare IT or equivalent

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Essentials of Healthcare IT*

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 highly qualified 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.

intended audience:

- Biomedical equipment technicians
- Biomedical and clinical engineers
- Biomedical and clinical engineering managers
- Medical technology managers
- Hospital IT staff
- Any professional who supports the field of medical technology

product number
Tuition: 2030677-001 $4,250
Tuition & lodging: 2030677-002 $5,175
Tuition, lodging & air: 2030677-003 $6,070*
*US only

delivery method
class

length of course
4 days

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Securing the Healthcare IT Environment*

This instructor-led class is specifically designed for technical professionals responsible for the secure transport of electronic protected health information across healthcare IT infrastructures. This class is taught by experts in the healthcare IT field and topics include: a global security overview, relevant HIPAA Title II Privacy and Security Rule information, the top 10 HCIT network attacks and ways to prevent them, strategies to mitigate risk, and securing a home network. Hands-on labs include password cracking, configuring biometric identifiers, encryption, port scanning, using network analyzers, software firewall configuration, performing an MD5 Hash, and home router configuration. Students will perform a risk analysis of medical devices using MDS2 documentation and ACCE/ECRI tools. Basic computer skills and TCP/IP network troubleshooting techniques are required.

intended audience:
- Biomedical equipment technicians
- Biomedical and clinical engineers
- Biomedical and clinical engineering managers
- Medical technology managers
- Hospital IT staff
- Any professional who supports the field of medical technology

product number
Tuition: 2020786-053 $5,000
Tuition & lodging: 2020786-054 $5,925
Tuition, lodging & air: 2020786-055 $6,820*
*US only

delivery method
class

length of course
5 days

IT skills required
GE Essentials of Healthcare IT or equivalent

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Wireless in the Healthcare IT Environment*

This vendor-neutral class focuses on the installation, management, and troubleshooting of RF technologies in healthcare today; including WMTS, 802.11, RFID, and cellular communications. Topics include RF and antenna basics, common interference sources in healthcare, remote patient viewing using the Wireless Medical Telemetry Service (WMTS), 802.11 and access point configuration including wireless VLANs, RFID basics, cellular communications, and security requirements for wireless systems. Students receive hands-on training with network analyzers and spectrum analyzers, perform site surveys for WMTS and 802.11, and troubleshoot WMTS antenna systems.

intended audience:
- Biomedical equipment technicians
- Biomedical and clinical engineers
- Biomedical and clinical engineering managers
- Medical technology managers
- Hospital IT staff
- Any professional who supports the field of medical technology

Product number

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Delivery method

class

Length of course
5 days

IT skills required
GE Essentials of Healthcare IT or equivalent

Program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Essentials of HL7*

This vendor-neutral class prepares the student to configure and troubleshoot HL7. Focusing on V2.x, students will learn to use the HL7 standard as a reference source as well as vendor conformance documents to aid in interface design. Topics include the structure and encoding of common patient administration, order, results, and billing messages, as well as interface design, data mapping, and vocabulary. Common troubleshooting techniques will be discussed and class concepts will be reinforced through use of the HL7 Messaging Workbench software. This instructor-led course is open to anyone wanting a more in-depth insight into HL7, regardless of equipment choice in the healthcare environment.

intended audience:

- Biomedical equipment technicians
- Biomedical and clinical engineers
- Biomedical and clinical engineering managers
- Medical technology managers
- Hospital IT staff
- Any professional who supports the field of medical technology

Tuition:

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*US only

delivery method

Class

length of course

3 days

program information

Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Essentials of DICOM*

This instructor-led course prepares the participant to become proficient in the installation, maintenance and troubleshooting of DICOM on digital imaging networks. Participants will learn to use the DICOM standard as a reference source, analyze conformance statements for predicting connectivity, configure and use DICOM simulators, and capture and analyze DICOM traffic using freeware tools like the DICOM Validation Toolkit.

intended audience:
- Biomedical equipment technicians
- Biomedical and clinical engineers
- Biomedical and clinical engineering managers
- Medical technology managers
- Hospital IT staff
- Radiologists
- Any professional who supports the field of medical technology

product number
Tuition: 2020786-126 $3,500
Tuition & lodging: 2020786-127 $4,055
Tuition, lodging & air: 2020786-128 $4,950*
*US only

delivery method
class

length of course
3 days

IT skills required
GE Essentials of Healthcare IT or equivalent

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.