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Network Infrastructure and Protocols Training
20  Essentials of Healthcare IT™
21  Securing the Healthcare IT Environment™
22  Wireless in the Healthcare IT Environment™
23  Essentials of HL7®
24  Essentials of DICOM®
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.

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.

for product technical - diagnostic imaging courses:
Computed Tomography; Invasive Cardiology; Magnetic Resonance; Molecular Imaging - Nuclear Medicine; Molecular Imaging – PET; Molecular Imaging – Radiopharmaceutical; X-ray.
Please print the Technical – Application for Advanced Service Training.
confirmation of enrollment is sent automatically via email.

customer requirements:
All Diagnostic Imaging and Ultrasound Classes Require Laptops
If you are attending a diagnostic imaging or ultrasound course, please bring a laptop with you to access any materials that the instructor may provide during your training class.

Please remember to bring a laptop loaded with Microsoft® Applications / CD ROM Reader. Depending on the class you are enrolled in, you may have to load service software onto your laptop; therefore you would need administrative rights. If you do not have Microsoft Applications (Word, Powerpoint®, Excel®) loaded on your laptop, you can download and install Microsoft Viewers for Word, Powerpoint, Excel at the below link:


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**

Please Note: DVD Reader required only if enrolled for Innova* Systems or MR course.

for product technical - ultrasound courses:
Please print the Technical – Devices Agreement & Employment Verification Form.
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.

about our training
blended curriculum
Our technical service training offers a blended curriculum with web-based and in-resident courses. Our integrated training platform minimizes the time you spend away from home.

Web-based Courses
Introductory, pre-requisite, and some differences courses are available for independent study.

In-Resident Courses (Classroom/Lab)
Advanced courses held at the GE Healthcare Institute provide invaluable and practical hands-on training taught by industry-leading instructors.

Differences Courses
Tailored specifically for those who have previous training on GE Diagnostic Imaging Equipment and designed to bring you up to speed on the latest technology and equipment.

In-Resident Training at the GE Healthcare Institute
For your convenience during your in-resident training, there are onsite meal services and condominium accommodations conveniently located across the street from the Healthcare Institute.

For your convenience, we now have one number to call for information on any course. 1-888-799-9921

policies and terms

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.
BrightSpeed™ Service Differences

This course is for service engineers who are already trained on LightSpeed™16 (5.x) and need to understand the BrightSpeed service differences.

This course covers the different BrightSpeed models. The major subsystem changes from LightSpeed16 (5.x) are identified. Additionally, the Jedi HV subsystem is covered in detail.

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| program information | Please visit www.gehealthcare.com/training for the most current information on dates and locations. |
CT Basic Physics/Instrumentation

The CT eFundamentals course is designed primarily for service engineers who have little or no familiarity with CT systems. Completion of this course is required for all CT system-level courses.

This course teaches general processes, concepts, and equipment used in CT scanning, and is comprised of six modules, or mini courses:

- Principles
- Components and Functions
- Image Processing and Display
- Basic Applications
- Quality Assurance
- Safety

**Product number**
- Tuition: $3,300
- Delivery method: web
- Length of course: 13 hours

**Program information**
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
CT Basic Service

The CT Basic Service course consists of self-paced web-based pre-work and a one week in-residence class with labs. It will equip the participant with the theory and physics of Computed Tomography and the ability to safely operate and identify several GE CT systems at a basic service level.

Note: Completion of this course or the Challenge Exam is required to attend a Full Service CT course.

The systems taught in the course include: LightSpeed™ 4/8/16, LightSpeed 4/8/16 (HP60), LightSpeed 16 Pro, LightSpeed RT, LightSpeed VC™, BrightSpeed™, HiSpeed™ NX/I.

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

- Demonstrate safe practices and take appropriate safety measures against possible hazards while working with CT systems
- Identify the features, functionality, and major components of GE CT systems
- Operate GE CT systems at the application level for performance evaluation of the system
- Perform the majority of PM procedures
- Perform simple non-invasive repairs

Lab activities will include:
- Operation (multi-slice scanning)
- Power Up/Down
- Image Acquisition
- Image Archive (where applicable)
- PM Procedures
- Simple non-invasive repairs

product number
Tuition:  R0035CT  $6,615

delivery method
class/lab

length of course
5 days

pre-requisites required
- Troubleshooting Basics (Web)  
  R0901CM  $545
- Networking and DICOM Basic for DI Service (Web)
  R0907CM  $2,590

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
CT True In One Console (Web)

This CBT covers the True-in-One, Real-in-One, and Next-in-One consoles. There is a module for each console plus a module introducing the SuSE Linux operating system and coreload. This is an on-line self-paced course and exam. The course begins with the True-in-One console, and then discusses the differences with the newer consoles. Key console differences involve the computer, AC power distribution, and disk drive location. The training audience is global GE Field Engineers, Distributors, and customers.

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

- Console models
- Hardware details and mechanical layout
- Installation and FRU replacement
- Troubleshooting using command lines and diagnostics

product number
Tuition:
R0041CT $1,625

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.
CT VEO (MBIR) Option for CT750

VEO is an option for CT which delivers improved image quality and dose benefits. This option uses IBM Blade Servers connected directly to the CT console.

This CBT covers the installation, application, troubleshooting, parts replacement and maintenance of the MBIR option for CT HD750 systems.

course competencies:
upon successful completion of this course, the student should have knowledge of:

- BladeCenter theory, configuration and function
- Site requirements and Pre-Installation
- Installation and software configuration
- IBM hardware with details for each component
- Application, user interface and image reconstruction
- Use AMM (Advanced Management Module) to monitor, configure and troubleshoot to FRU level
- Replace any FRU in the IBM server

product number
Tuition:
R0048CT $1,625

delivery method
web

length of course
3 hours

pre-requisite required
- Discovery™ CT750 HD Upgrade
  R0036CT $15,345

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
CT/I Basic Service (Web)

Entry-level course for CT/I service engineers. This is a computer-based training course intended to prepare Service Engineers on basic system theory, as well as performing preventive maintenance and routine service tasks on the CT/I product line. Includes interactive exercises and video clip procedures.

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

- Key features of the CT/i family of scanners
- Layout of CT/i service documentation
- Safety considerations for CT/i service
- Major components (FRUs), their functions, and replacement procedures
- Operation of the CT/i Service desktop
- Operation of the system at the UNIX and PROM Monitor levels
- System Error log analysis
- Planned maintenance tasks
- Installation, configuration, and functional check of software
- Mechanical calibrations and adjustments
- Tube/collimator/detector alignments (POR, ISO, BOW, CBF, and radial alignment)

product number
Tuition: R0033CT $5,990

delivery method
web

length of course
9 hours

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Discovery™ CT750 HD Upgrade

This Upgrade course is intended for service engineers that will be servicing and supporting the 64 slice Discovery 750 HD system.

The course includes classroom presentations on theory and serviceability approaches and extensive hands on exposure to the new components of the CT750 HD configuration including:

- Gemstone Spectral Imaging
- Global Operator Console 6
- X-ray tube with focal spot deflection
- X-ray generator modifications

New service feature enhancements will be introduced and utilized throughout the course. Specific course content will include product software and hardware features that are available at the time the course is conducted.

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| length of course    | 36 hours                  |

| pre-requisites required | Prior completion of VCT™ and/or LightSpeed™ 7x & Optima™ 660 training is required |

| program information  | Please visit www.gehealthcare.com/training for the most current information on dates and locations. |
Discovery™ PET/CT & MR Transfer Board System Full Service Training

The Discovery PET/CT + MR transfer board system provides a patient transfer solution between compatible PET/CT systems and the MR 450w GEM or MR 750w GEM flat table systems. The components reside in the PET/CT room and are used with the MR system in the tri-modality workflow.

The transfer board uses an air hover technique to transfer a patient in a lateral direction between the PET/CT scan table and the MR GEM flat scan table. The design of the transfer board and fixtures include features to help ensure safe operation and transfer, and indexing features to help ensure repeatable patient positioning for accurate image registration.

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**product number**
Tuition: R0910CM $1,625

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.
Global Operator Console 3, 4, 5

The Xtreme console is also referred to as the Global Operators Console (GOC). This is the current operator console for all CT LightSpeed™ and PET Discovery™ ST systems. This course is for new and experienced Service Engineers who services any of the GOC3, GOC4 or GOC5 operator consoles.

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

- Physical layout of each console type
- Functionality of each sub computer
- Data flow between computers
- Basic LINUX commands to service the console
- Console boot-up routine
- Console diagnostics and error log analysis
- Hardware/Software Options

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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.
Global Operator Console 6

The Xtreme console is also referred to as the Global Operators Console (GOC). This is the current operator console for all LightSpeed™ VCT™ XT, Discovery™ CT750 HD, and Discovery PET/CT 690 systems.

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

- Changes to the GOC6 compared with GOC5
- New hardware in the GOC6
- Detailed view of the new DIG and Disc array
- New software commands used for the GOC6
- Replacement procedures to manage the increased weight of FRUs
- Software load from cold

product number
Tuition:
R0039CT $1,625

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.
LightSpeed™ 7X and Optima™ 660 Upgrade

The CT LightSpeed 7x & Optima 660 course is a differences class and is intended for Engineers who have completed LightSpeed Pro Training (R0026CT). It will equip the Engineer with system and subsystem theory and hands-on lab activities to address technical service issues for the 32/64-slice family of scanners (includes LightSpeed VCT™, LightSpeed VCT XT, LightSpeed VCT Select, and Optima 660).

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

- Identify required tools and documentation for system service
- Work safely in the LightSpeed 7x and Optima 660 environment
- Identify FRU part numbers, and replace common FRUs
- Identify the installation steps and resources required for system installation
- Perform system quality assurance checks and performance verification
- Troubleshoot image quality issues
- Perform tube change, alignments, calibrations, and image quality checks
- Isolate system faults to the FRU level using system diagnostics
- Perform planned maintenance procedures
- Load software (LFC) during install or troubleshooting

Tuition: $16,185

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

This course is intended to prepare Service Engineers on basic LightSpeed theory and subsystem basics before attending the LightSpeed Pro Series Class/Lab.

**Product number**
- Tuition: R0031CT $5,990

**Delivery method**
- Web

**Length of course**
- 9 hours

**Program information**
- Please visit www.gehealthcare.com/training for the most current information on dates and locations.
LightSpeed™ Pro Series (HP60, Pro16, RT, BrightSpeed™, Optima™ CT580W, CT590RT)

The LightSpeed Pro Series course is a two-week in-residence class with labs. This course is intended for Service Engineers who don’t have prior LightSpeed training. It will equip the Service Engineer with system and subsystem theory and hands-on lab activities to address technical service issues.

Systems Covered: BrightSpeed Elite, BrightSpeed Excel, BrightSpeed Edge, BrightSpeed Elite Select, BrightSpeed Excel Select, BrightSpeed Edge Select, Discovery™ CT590 RT, LightSpeed Plus (5.x), LightSpeed Ultra (5.x), LightSpeed16 (5.x), LightSpeed Pro16, LightSpeed RT, LightSpeed RT16, LightSpeed Xtra, Optima CT580.

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

• Identify required tools and documentation for system service
• Work safely in the LightSpeed Pro environment
• Identify FRU part numbers, and replace common FRUs
• Identify the installation steps and resources required for system installation
• Perform system quality assurance checks and performance verification
• Troubleshoot image quality issues Perform tube change, alignments, calibrations, and image quality checks
• Isolate system faults to the FRU level using system diagnostics
• Perform planned maintenance procedures
• Load software (LFC) during install or troubleshooting

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Networking and DICOM Basics for DI Service

This online course prepares the service engineer to configure and troubleshoot networks that use the DICOM protocol for transferring patient data. Participants will also learn how to read and use DICOM Conformance Statements.

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

• Explain the basics of 7-layer OSI networking model
• Configure IP on any GE diagnostic imaging (DI) system and workstation to work in a local network by using the parameters supplied by the local IT department
• Configure the DICOM parameters in GE workstations and DI systems to exchange information with any other DICOM system by using parameters supplied by GE or the local IT department
• Verify that the IP address, netmask and routing address are configured correctly
• Verify the DICOM parameters are correct
• Perform troubleshooting using ping, telnet and DICOM ping to determine if the problem is related to the network or DICOM

product number
Tuition: R0907CM $2,590

delivery method
web

length of course
5 hours

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Optima™ CT520 Service Differences Training (Web)

CT Optima CT520 Service Differences Training is a web-based training course. This course is an upgrade CBT intended for Engineers who are LightSpeed™ or BrightSpeed™ Full Service qualified and covers what is different in hardware and software for the Optima CT520 system compared to the LightSpeed and BrightSpeed systems.

**Course competencies:**

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

- Recall the 3 configurations of the Optima CT520.
- Identify all major sub systems.
- Describe the function of all subsystems and components which are a FRU.
- Explain the PDU in the gantry layout and function.
- Define the function and control of each major part in the table and gantry.
- Install the UPS and review how it prevents a console crash.
- Use the CT Application to scan phantoms and display images. No change from LightSpeed / BrightSpeed.
- Use the Service desktop to configure and troubleshoot the system.

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**Product number**
**Tuition:**
- R0047CT $2,100

**Delivery method**
- Web

**Length of course**
- 2 hours

**Pre-requisites required**
- LightSpeed Pro Series (HP60, Pro16, RT, BrightSpeed, Optima CT580W, Optima CT590RT)
- R0026CT $16,945

**Program information**

Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Optima™ CT540 Service Differences Training (Web)

This course is for Field Engineers who will service the Optima CT540 systems.

The topics are:
- System overview, identify major components
- Compare Optima CT540 to BrightSpeed™ Power
- New gantry covers
- New Operators Console

**Product Number**

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**Delivery Method**
web

**Length of Course**
2 hours

**Pre-requisites Required**
- LightSpeed™ Pro Series (HP60, Pro16, RT, BrightSpeed, Optima CT580W, Optima CT590RT)
- R0026CT        $16,945

**Program Information**
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Optima™ CT660 Differences

This online differences course covers the changes in hardware and software for the Optima CT660 system for Engineers who have previously attended LightSpeed™ VCT™ training and will now be servicing an Optima 660.

Topics covered include:
- Identify required tools and documentation for system service
- Work safely in the LightSpeed Pro environment
- Identify FRU part numbers, and replace common FRUs
- New gantry display
- New power saving mode
- New gantry axial motor and control
- New gantry covers removal and installation
- Safety awareness with gantry cover mounting hardware
- New operators console (RIO)
- Load from cold-Saturn detector

product number
Tuition: R0043CT $2,590

delivery method
web

length of course
5 hours

pre-requisites required
Prior completion of VCT™ and/or LightSpeed™ 7x & Optima™ 660 training is required

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Revolution CT Full Service Training

The Revolution CT course takes a blended approach to presenting the material to the learner. This course provides the learner with a pre-work assignment using Computer Based Training (CBT) followed by an Instructor Led Training (ILT) session.

The CBT consists of equipment safety procedures and sub-system component description, location, and identification. Training should take approximately 3 hours with a 30 minute exam. Upon completion of the CBT, the learner shall attend 40 hour in-residence Instructor Led Training (ILT) event with an exam.

The ILT consists of a combination of classroom lecture and discussion as well as laboratory demonstration and performance based activities. The lab activities have been developed to provide the learner with system specific knowledge, reinforce current skills, and develop new skills associated with maintaining the Revolution CT system.

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

- Perform Revolution CT safety procedures
- Identify Revolution CT elements and features
- Demonstrate the use of special tools associated with the Revolution CT
- Perform selected component removal and replacement procedures
- Conduct system quality assurance checks and performance verification
- Perform tube change, alignments, calibrations, and image quality checks
- Perform planned maintenance procedures

special considerations:
The CBT assignment is automatically loaded into the learners “Learning Plan” upon initial enrollment in the course. The student is expected to complete the assigned computer based training material before attending the instructor led session.

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delivery method
class/lab

length of course
40 hours

pre-requisites required
Prior completion of VCT™ and/or LightSpeed™ 7x & Optima™ 660 training is required

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.
Troubleshooting Basics
This course is for individuals involved in servicing medical systems. By taking this course, you will learn a proven process for troubleshooting medical systems. You will also learn how to use various tools in a troubleshooting situation.

product number
Tuition:
   R0901CM $545

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.
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.

Bring this class to your location.
Call for pricing and details: 888-799-9921
Securing the Healthcare IT Environment\textsuperscript{SM}

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: | $5,000 |
| Tuition & lodging: | $5,925 |
| Tuition, lodging & air: | $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
Tuition: 2020786-050 $5,000
Tuition & lodging: 2020786-051 $5,925
Tuition, lodging & air: 2020786-052 $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.
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

product number
Tuition:
2020786-167 $2,350
Tuition & lodging:
2020786-168 $2,905
Tuition, lodging & air:
2020786-169 $3,800*
*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.