

GE Healthcare

Education Services

Magnetic Resonance

2011 Technical Education



imagination at work

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Technical Service Training Tailored to Fit Your Needs!

Education Centers

Waukesha, WI - The GE Healthcare Institute is a state of the art facility providing a dedicated learning environment with over 210,000 square feet of learning space including 75 labs and 25 classrooms.

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.

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. Open-toe, high-heel shoes or sandals are not permitted.

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 Healthcare IT classes focused specifically on the needs of today's biomedical and technical professionals.

Our goal is 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 Healthcare IT education regardless of medical equipment choices, previous learning or experience.

Added value for your education investment

College credit is available for many of our classes, both technical and Healthcare IT, through the University of Phoenix and DeVry University. If you are working toward a degree, or contemplating one, these classes may bring you closer to completion. Visit www.gehealthcare.com/training and choose "College Credit for Technical Training" for more information on these programs.

Contact our registrar for more information.
EdServices@ge.com
or 1-888-799-9921 press option 2

Registration Instructions

To download the Registration form, go to www.gehealthcare.com/education (under Technical Service Education, select Diagnostic Imaging: GE). Click on the "Register" button and download the Service Training Application Form (pdf). After completing this form, fax to: 262-574-8627, Attn: Registrar, GE Technical Service Training. Or e-mail to: EdServices@ge.com

After your application form is received/approved, the Registrar will contact the student to confirm dates, course prerequisites, and housing details (if In-Resident). After attendance and payment details are confirmed, a formal confirmation letter will be sent. For current course information, pricing, registration, or lodging information, please visit our web site.

Policies and Terms

- Accepted via email or phone: 888-799-9921 or edservices@ge.com
- Must be received 15 business days prior to the course start date
- A \$1,000 per week "no-show" or cancellation fee will be incurred if a student does not show up for class or does not cancel before the 15 business day window
- GE reserves the right to cancel or reschedule any class. 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

Attendance

- Students are required to arrive on time for class.
- Class start and end times vary. Please refer to your e-mail enrollment notification.
- A "no-show" is not eligible for tuition reimbursement.
- Students must pass an assessment to receive certificate of successful completion.

Cancellations

Please note that should cancellation of this class become necessary, less

than 20 working days (1 month) prior to the course start date, the following cancellation fees will be in effect: Please contact the Training Registrar directly if cancellation is necessary.

- Courses with a duration of one week or less: \$1,000
- Courses with a duration of two weeks or less: \$2,000
- Courses with a duration of three weeks or less: \$3,000

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.

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.

Program Managers

CT/PET & Cross Modality:

Joel Jensen Joel.Jensen@ge.com

MR:

Brian Adams Brian.Adams@ge.com

Nuclear Medicine & Radiopharmacy:

Stacy Marten Stacy.Marten@ge.com

X-ray:

Dan Pittenger Daniel.Pittenger@ge.com

Note: Most courses have the following special considerations: A functioning laptop computer with a CD-rom reader, network card and a modem card is required for use during this course. The browser on the computer must be IE4 or Netscape 4.5 or higher. Minimum system requirements include 133 MHz Windows 95, NY 4.0 or higher 32 MB of RAM 16-bit color display adapter.

Discovery MR Full Service

This 9-day training program will be available to all MR Service Engineers (SEs) with sites upgrading to Discovery MR (750 and 450) as well as those receiving Discovery MR as part of forward production. The Discovery MR System class/lab provides the instructional and hands-on opportunities for the student to acquire the fundamental competencies to effectively and safely service the Discovery MR System.

Pre-Requisites Required:

MR Basic Service	R0083MR	\$5,900
MR Full Service	R0080MR	\$28,265

Product Number:

R0081MR \$19,465

Delivery Method: Class/Lab

Length of Course: 81 hours

Program Information:

For the most current course information and pricing, please visit us at www.gehealthcare.com/education (under Technical Service Education, click on Diagnostic Imaging: GE).

MR Advanced Service

The MR Advanced Service Training course was developed for higher skill level training for Service Engineers. The MR Advanced Service Training course will build on a strong demonstrated service competence on Signa products and will raise the Service Engineer’s skill level to that needed for independent service or team support. The MR Advanced Service Training course is a “Continuing Education” package with stringent entry requirements. Service Engineers must be recognized by their managers as competent in servicing one, or more, of the following GE products: Signa Horizon LX, Signa OpenSpeed, Signa Infinity with EXCITE, or 3.0T EXCITE and be considered “Senior” Service Engineers by their manager and peers. The MR Advanced Service Training course will cover Image Quality, Applications and Interpretation of MR physics and tests that lead to successful troubleshooting at an advanced service level. This course will use multiple GE product offerings at various field strengths throughout the course.

Course Competencies:

- Demonstrate safe practices relating to the following hazards and dangers as they apply to the MR environment (Radiation, Energy Control and Power Lockout, Cryogenics, Hazardous Materials, and Mechanical Hazards)
- Interpret the results of application issues for MR Imaging Systems software
- Troubleshoot a variety of Pulse Sequence Database (PSD) issues related to applications problems to resolve system problems
- Troubleshoot using software tools and diagnostics to minimize customer down time
- Troubleshoot image quality issues
- Identify and operate MR Imaging System hardware components in order to evaluate their function
- Assure customer satisfaction with service

Pre-Requisites Required:

MR Basic Service	R0083MR	\$5,900
MR Full Service	R0080MR	\$28,265

Product Number:

R0077MR \$11,325

Delivery Method: Class/Lab

Length of Course: 60 hours

Program Information:

For the most current course information and pricing, please visit us at www.gehealthcare.com/education (under Technical Service Education, click on Diagnostic Imaging: GE).

MR Full Service

The MR Signa LX/EXCITE Full Service will equip the Service Engineer with system and subsystem theory and hands-on lab activities to address technical service issues for the Signa LX and Excite product families.

Course Competencies:

- Identify required tools and documentation for system service
- Work safely in the magnetic field 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 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

Lab activities:

- Calibrations
- Characterizations
- Software load and configuration
- Subsystem diagnostics
- Subsystem and system troubleshooting

Note: If you have previously taken MR Signa Excite 2A, you can take the MR Signa 3.0T Excite Certificate in-resident course without taking the listed prerequisites.

Pre-Requisites Required:

MR Basic Service	R0083MR	\$5,900
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Product Number:

R0080MR \$28,265

Delivery Method: Class/Lab

Length of Course: 116 hours

Program Information:

For the most current course information and pricing, please visit us at www.gehealthcare.com/education (under Technical Service Education, click on Diagnostic Imaging: GE).

MR HDe

The MR Signa Excite HDe Full Service class will equip the Service Engineer with system and subsystem theory and hands-on lab activities to address technical service issues for the Signa HDe product family. This course is designed as a differences course focusing on the differences between HDe and forward production HD/HDx systems.

Course Competencies:

- Identify required tools and documentation for system service
- Work safely in the magnetic field 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
- Demonstrate understanding of product configuration differences
- Perform alignments, calibrations, and image quality checks
- Isolate system faults to the FRU level using system diagnostics
- Perform planned maintenance procedures
- Identify software/configuration differences between HDx and HDe products

Lab activities:

- Calibrations
- Characterizations
- Fluid isolation and FRU replacement
- Subsystem diagnostics
- Subsystem and system troubleshooting

Note: If you have previously taken the Excite 3HD, you can take the MR HDe in-resident course without taking the listed prerequisites.

Pre-Requisites Required:

MR Basic Service	R0083MR	\$5,900
MR Full Service	R0080MR	\$28,265

Product Number:

R0075MR \$13,285

Delivery Method: Class/Lab

Length of Course: 28 hours

Program Information:

For the most current course information and pricing, please visit us at www.gehealthcare.com/education (under Technical Service Education, click on Diagnostic Imaging: GE).

MR Ovation/Profile Full Service

The MR Signa Ovation/Profile Full Service class will equip the Service Engineer with system and subsystem theory and hands-on lab activities to address technical service issues for the Signa Ovation and Signa Profile product families. Due to the similarities of construction and process, both products will be taught on the Ovation system. Both Excite and TPS versions will be discussed through Ovation 5 and Profile HD configurations.



Course Competencies:

- Identify required tools and documentation for system service
- Work safely in a permanent magnet 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
- Demonstrate understanding of product configuration differences
- Perform alignments, calibrations, and image quality checks
- Isolate system faults to the FRU level using system diagnostics
- Perform planned maintenance procedures

Lab activities:

- Calibrations
- Coil replacement
- Subsystem diagnostics
- Passive Shimming
- Subsystem and system troubleshooting

Pre-Requisites Required:

MR Basic Service	R0083MR	\$5,900
MR Full Service	R0080MR	\$28,265

Product Number:

R0073MR \$14,315

Delivery Method: Class/Lab

Length of Course: 60 hours

Program Information:

For the most current course information and pricing, please visit us at www.gehealthcare.com/education (under Technical Service Education, click on Diagnostic Imaging: GE).

MR Signa 3.0T Excite Certificate

The MR 3.0T Excite Certificate course is a full service course designed to address the differences in service techniques and calibrations between the 1.5T family of products and the 3.0T. Emphasis is placed on safely working in the 3.0T environment, utilizing the unique service tools required for installation and service and calibration/fault analysis of 3.0T specific subsystems. Ramping and shimming of the LCC300 magnet are discussed/demonstrated to prepare the service engineer to support their MAC Team representative during installation.



Course Competencies:

- Identify required tools and documentation for system service
- Work safely in the 3.0T magnetic field environment
- Identify FRU part numbers, and replace common FRUs
- Perform system quality assurance checks and performance verification
- Troubleshoot image quality issues
- Perform alignments, calibrations, and image quality checks
- Isolate system faults to the FRU level using system diagnostics
- Perform planned maintenance procedures
- Ramp & Park the LCC300 magnet within specifications
- Perform Passive and Supercon shimming to the required specification
- Demonstrate the assembly and safe use of all specialized 3.0T service tools

Note: If you have previously taken MR Signa Excite 2A, you can take the MR Signa 3.0T Excite Certificate in-resident course without taking the listed prerequisites.

Pre-Requisites Required:

MR Basic Service	R0083MR	\$5,900
MR Full Service	R0080MR	\$28,265

Product Number:

R0070MR \$13,285

Delivery Method: Class/Lab

Length of Course: 36 hours

Program Information:

For the most current course information and pricing, please visit us at www.gehealthcare.com/education (under Technical Service Education, click on Diagnostic Imaging: GE).

Excite 3HD

Course Competencies:

- Identify the differences between the previous EXCITE versions and the EXCITE3 HD
- Recognize the different hardware configurations for EXCITE3 HD
- Recognize the different software changes for EXCITE HD

Pre-Requisites Required:

MR Basic Service	R0083MR	\$5,900
MR Full Service	R0080MR	\$28,265
MR Signa Excite 2A (10.X/11.X) (Web)	R0067MR	\$4,990

Product Number:

R0074MR \$5,990

Delivery Method: Web

Length of Course: 3 hours

Program Information:

For the most current course information and pricing, please visit us at www.gehealthcare.com/education (under Technical Service Education, click on Diagnostic Imaging: GE).

Excite HDx Service

The HDx program brings design, hardware, and performance enhancements to the current forward production HDMR product. It includes both 1.5T and 3.0T field strengths. Currently, there is training for Excite 2/2A and Excite3 HD.

Course Competencies:

- Recognize and utilize all safety precautions
- Recognize and understand the HDx hardware configurations, both upgrade and forward production
- Understand what is involved in an HDx software load, as well as the new Installation Calibration Wizard for all HDx calibrations
- Understand what new calibration, diagnostic and troubleshooting tools are being introduced with HDx, and when to use them
- Identify and locate troubleshooting procedures for problems that may occur
- Utilize the HDx service methods DVD loaded on the systems and the local laptops

Pre-Requisites Required:

MR Basic Service	R0083MR	\$5,900
MR Full Service	R0080MR	\$28,265
MR Signa Excite 2A (10.X/11.X) (Web)	R0067MR	\$4,990
MR Excite 3HD (Web)	R0074MR	\$5,990

Product Number:

R0072MR \$5,990

Delivery Method: Web

Length of Course: 4 hours

Program Information:

For the most current course information and pricing, please visit us at www.gehealthcare.com/education (under Technical Service Education, click on Diagnostic Imaging: GE).

MR Signa Excite 2A (10.X/11.X)

The MR Signa Excite 2A course will provide you with the core information needed to use system documentation to install, configure, diagnose and troubleshoot the “Signa Infinity with Excite Technology” system. This course will cover the new Signa EXCITE (11.X) hardware along with procedures for installation, configuration, diagnostics and troubleshooting tools.

Course Competencies:

- Install and configure the new Signa 11.X hardware (through EXCITE-2A)
- Locate and define the Signa 11.X system hardware (through EXCITE-2A)
- Diagnose, troubleshoot and replace the Signa 11.X system hardware (through EXCITE-2A)

Pre-Requisites Required:

MR Basic Service	R0083MR	\$5,900
MR Full Service	R0080MR	\$28,265

Product Number:

R0067MR \$4,990

Delivery Method: Web

Length of Course: 9 hours

Program Information:

For the most current course information and pricing, please visit us at www.gehealthcare.com/education (under Technical Service Education, click on Diagnostic Imaging: GE).

MRErbtec RF Amplifier

This is a stand-alone course that covers the essential changes and upgrades to the use, maintenance and repair of Erbtec RF Amplifier subsystems currently in the installed base of mid and high-field MR imaging systems.

Course Competencies:

- Identify the characteristics of the Erbtec RF Amplifier and differentiate the Erbtec RF Amplifier from other RF Amplifiers
- Configure the Erbtec Amplifier
- Work safely in the Erbtec environment
- Describe the functionality of the Erbtec Amplifier
- Troubleshoot the most common Erbtec Amplifier problem

Pre-Requisites Required:

MR Basic Service	R0083MR	\$5,900
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Product Number:

R0078MR \$1,625

Delivery Method: Web

Length of Course: 4 hours

Program Information:

For the most current course information and pricing, please visit us at www.gehealthcare.com/education (under Technical Service Education, click on Diagnostic Imaging: GE).

MR Signa Select & ACGD

The purpose of this course is to introduce the new Gradient Driver (ACGD) hardware and the software advancements of the Signa Select Software.

Course Competencies:

- EPI Theory: Relate Echo Planar Imaging (EPI) theory to the physics of MR imaging
- DWI Scan: Perform a DWI scan using the Signa Select software
- ACGD Installation: Properly install and calibrate the ACGD Gradient Cabinet
- Troubleshooting: Perform diagnostics and troubleshoot using diagnostic tools and troubleshooting tips
- DWIPIQ Tool: Perform diagnostics, identify artifacts and interpret results using the DWIPIQ tool
- ASP2 Features: Gain credibility by demonstrating a basic knowledge of the Signa Select Software (ASP2) customer features

Pre-Requisites Required:

MR Basic Service	R0083MR	\$5,900
MR Full Service	R0080MR	\$28,265

Product Number:

R0060MR \$4,590

Delivery Method: Web

Length of Course: 14 hours

Program Information:

For the most current course information and pricing, please visit us at www.gehealthcare.com/education (under Technical Service Education, click on Diagnostic Imaging: GE).

MR Signa Twinspeed

The MR TwinSpeed course covers hardware and software modifications to the Signa MR/i (LX) installed base and will constitute the bulk of forward production systems. Changes include a new body coil system (RF and gradient) designed to provide faster, quieter scanning and broaden the range of system applications due to the coil's duality. Coil use and new PSDs will enable the TwinSpeed to make maximum use of the ACGD gradient system's capabilities.

Course Competencies:

- Define the need for the unique changes to the Signa MR system
- Describe the contributing factors of the change
- Describe the primary customer requirements
- Describe the design changes to the gradient coil and magnet enclosure
- Describe the components of the Twin Accessory Cabinet and what function they provide in the system
- Describe various combinations of the Twin System Cooling Cabinets and Twin Gradient Cooling Cabinet
- Describe the unique installation considerations of Software compatibility, TRM installation and RF Coil
- Describe service considerations of the vacuum pump and the patient blower box filter
- Describe the changes to Magnet Monitoring
- Describe an overview of the RF Coil alignment procedure
- Define which Service Software Tools have changed
- Describe the changes to the Tool File Structure
- Describe the new application features and changes

Product Number:

R0062MR \$3,300

Delivery Method: Web

Length of Course: 5 hours

Program Information:

For the most current course information and pricing, please visit us at www.gehealthcare.com/education (under Technical Service Education, click on Diagnostic Imaging: GE).

Pre-Requisites Required:

MR Basic Service	R0083MR	\$5,900
MR Full Service	R0080MR	\$28,265

MR Spectroscopy, MNS, and MRS

This course covers the theory of the MR Spectroscopy option, the unique hardware characteristics and the differences between Multi-Nuclear Spectroscopy (MNS) and Magnetic Resonance Spectroscopy (MRS).

Course Competencies:

- Identify the primary characteristics of Spectroscopy theory
- Identify the primary characteristics of MNS theory
- Distinguish between Spectroscopy hardware on a Signa Horizon (5X), Signa LX and Excite HD MR system

Pre-Requisites Required:

MR Basic Service	R0083MR	\$5,900
MR Full Service	R0080MR	\$28,265

Product Number:

R0071MR \$545

Delivery Method: Web

Length of Course: 2 hours

Program Information:

For the most current course information and pricing, please visit us at www.gehealthcare.com/education (under Technical Service Education, click on Diagnostic Imaging: GE).

MR Basic Service

The MR Basic Service Readiness in-resident course will equip the Engineer with the theory and physics of MR and the ability to identify, operate and PM systems at a basic service level. This one-week in-residence course will provide classroom instruction as well as practical application of Basic Service skills on a variety of GE MR systems including EXCITE, EXCITE HDx, Ovation, OpenSpeed and Signa MR/i. Lab activities will utilize 0.35T, 0.7T, 1.0T, 1.5T and 3.0T systems and will include: Operation, Power Up/Down, Image Acquisition, Image Archive (where applicable), Simple non-invasive repairs, Simple PMs, MR Physics and work site safety.

Product Number:

R0083MR \$5,900

Delivery Method: N/A

Length of Course: 40 hours

Program Information:

For the most current course information and pricing, please visit us at www.gehealthcare.com/education (under Technical Service Education, click on Diagnostic Imaging: GE).

Essentials of Healthcare ITSM

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

Purchase Packages:

Tuition:

R0248PG \$3,850

Tuition & lodging:

R0249PG \$4,775

Tuition, lodging & air:

R0250PG \$5,670*

* US only

Delivery Method: Classroom

Length of Course: 5 days

Course Location:

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

Securing the Healthcare IT EnvironmentSM

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

Purchase Packages:

Tuition:

R0265PG \$5,000

Tuition & lodging:

R0266PG \$5,925

Tuition, lodging & air:

R0267PG \$6,820*

* US only

Delivery Method: Classroom

Length of Course: 5 days

Course Location:

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

Required IT Skills:

- GE Essentials of Healthcare IT or equivalent

For list of core IT skills, see chart on the Student Information page.

Wireless in the Healthcare IT EnvironmentSM

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

Purchase Packages:

Tuition:

R0268PG \$5,000

Tuition & lodging:

R0269PG \$5,925

Tuition, lodging & air:

R0270PG \$6,820*

* US only

Delivery Method: Classroom

Length of Course: 5 days

Course Location:

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

Required IT Skills:

- GE Essentials of Healthcare IT or equivalent

For list of core IT skills, see chart on the Student Information page.

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

Purchase Packages:

Tuition:

R0344PG \$2,350

Tuition & lodging:

R0345PG \$2,905

Tuition, lodging & air:

R0346PG \$3,800*

* US only

Delivery Method: Classroom

Length of Course: 3 days

Course Location:

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
- Radiologist
- Any professional who supports the field of medical technology

Purchase Packages:

Tuition:

R0307PG \$3,500

Tuition & lodging:

R0308PG \$4,055

Tuition, lodging & air:

R0309PG \$4,950*

* US only

Delivery Method: Classroom

Length of Course: 3 days

Course Location:

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

Required IT Skills:

- GE Essentials of Healthcare IT or equivalent

For list of core IT skills, see chart on the Student Information page.

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Contact your GE representative for the most current information.

GE Healthcare
N16 W22419 Watertown Road
Waukesha, WI 53186
U.S.A.
www.gehealthcare.com

