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technical service training
tailed 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
Advantage Workstation* 4.1/4.2

This training will support the service engineer as they install the Advantage Workstation 4.1 and 4.2 products across modalities and will cover the following topics:

- Safety
- System overview
- Install/Configure
- Troubleshooting
- System operation
- Version differences between Advantage Workstation 4.0, 4.1, and 4.2

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

- Identify the features, functionality, and major components of the system
- Identify the basic setup and configuration
- Recognize how to operate the system in the application mode
- Identify troubleshooting techniques and tools
- Identify the differences between the Advantage Workstation 4.0, 4.1, and 4.2 products

**product number**
Tuition: R0902CM $2,100

**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.
Advantage Workstation* 4.2P

This training will update currently trained personnel with the new hardware, software, and installation information. Personnel who are new to the Advantage Workstation product need to complete the Advantage Workstation 4.1 / 4.2 to learn the theory of the product. They can then use this new course to update them on the new hardware, software, and installation information.

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

- Work safely with Advantage Workstation (AW)
- Work with the new version of AW: 4.2P
- Prepare to install and configure AW 4.2P
- Install AW 4.2P
- Use Service Tools
- Troubleshoot AW

Product number
Tuition: R0904CM $950

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.
Advantage Workstation* 4.3
This training will prepare the student to install and support the Advantage Workstation 4.3 product.

course competencies:
upon successful completion of this course, the student should be able to:
- Identify the hardware specifications, new applications features, and Common Service Desktop for AW 4.3.
- Identify the functions of the new security features (PNF and EA3) that are available for AW 4.3.
- Identify the documentation and safety concerns with service and installation.
- Identify the different installation scenarios and the installation/configuration/floating license/security process.
- Identify the methods to troubleshoot network, software, and security
- Identify the tasks to perform as part of preventive maintenance
- Identify the procedure to install and configure Direct Connect.

product number
Tuition: R0905CM $1,625

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.
AW Server 2 IT - Administrator Training

AW Server 2 IT-Administrator Training is a course for the Advantage Workstation® Server 2 customer or IT Administrator. The course will provide an introduction to the product features and the knowledge and skills needed to perform day-to-day administrative tasks.

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

- Describe the AW Server 2 product, components, and features
- Identify the pre-installation and installation tasks
- Access and navigate User documents, Service and Administrative Tasks and Healthpage
- Perform day-to-day Administrative tasks
- Identify how to install Client and perform functional tests
- Identify basic troubleshooting strategies

product number
Tuition: R0908CM $545

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.
AW VolumeShare 5 (AW4.6)

AW VolumeShare 5 is a web based training course. It introduces the AW VolumeShare 5 (AW4.6) product, which is a stand-alone image analysis and review station that serves as a platform for advanced software options developed for CT, PET, X-Ray Angiography and MR. This course provides information on product hardware and software components, and the tasks required to complete pre-installation, installation, product turnover and upgrade procedures. Successful completion of the test is required to obtain credit for this course.

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<td>Please visit <a href="http://www.gehealthcare.com/training">www.gehealthcare.com/training</a> for the most current information on dates and locations.</td>
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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.

Bring this class to your location.
Call for pricing and details: 888-799-9921
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

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deivery 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**

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| Tuition & lodging: | $4,055 |
| 2020786-127       |        |

| Tuition, lodging & air: | $4,950* |
| 2020786-128          |         |

*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.