



Siemens G60/G50/G40/G20/CV70/X300/X150 Mid-Range Ultrasound COURSE OVERVIEW

Course: This course covers the basic maintenance, calibration and service of the Siemens Mid-Range Ultrasound Imaging System product line.

Included is coverage of the major sub-systems of the system which will familiarize the student with the components of each of these sub-systems, how they operate and the approach to troubleshooting used on these systems.

The student will also perform preventive maintenance procedures on a functional Siemens Mid-Range Ultrasound system at the training facility.

Qualifications for Admission: Students should have prior Ultrasound service experience, preferably with Siemens Mid-Range Ultrasound systems. They should have a minimum of a two- year degree in electronics or equivalent experience. Students should have basic computer skills and a laptop computer.

Course Overview:

Features: Hardware Layout Drawings and Diagrams, Scan Parameters, Scan Protocols Image Quality performance verification.

- Siemens Mid-Range architecture
- Power sub system
 - AC input Isolation Transformer
 - Digital Analog power supply
- PCB configuration
 - Dimaq-IP Processor Module
 - Host Processor Module
 - E Processor Module
 - User Interface Module
- Monitor/LCD display
- Software load and system back up
- Diagnostics and troubleshooting common problems
- Dicom and Networking to PACS

Summary: Upon Completion of the 3 day course, the engineer should be able to provide service and use troubleshooting skills to service to the subsystem level. Hands on



laboratory exercises will give the engineer experience with routine maintenance, calibrations, documentation, and typical service events.

Course outline may change to meet student's needs