



GE Voluson E8/730 UL Course **OVERVIEW**

Course: This course covers the basic maintenance, calibration and service of the GE Voluson E8/730 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 GE Voluson E8/730 system at the training facility.

Qualifications for Admission: Students should have prior Ultrasound service experience, preferably with GE Logiq E/Vivid E series 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.

- GE Voluson E8/730 architecture
- Power sub system
 - AC input controller
 - BEP power supply
 - Front end power supply
- PCB configuration
 - Front End RF Processor Module
 - Back End 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