



## Toshiba Ultrasound Systems (Aplio MX/XG/XV, Xario XG) Course Overview

### Course:

This course covers the basic maintenance, calibration and service of the Toshiba Ultrasound Imaging Systems 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 Ultrasound system at the training facility.

### Qualifications for Admission:

Students should have prior Ultrasound service experience, preferably with Toshiba 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 Architecture
- Power Sub-System
- PCB Configuration
  - Front End Processor Module
  - Backend Processor Module
  - User Interface Module
- Monitor / LCD Display
- Software load and system backup
- Diagnostics and troubleshooting common issues
- DICOM and Networking

### 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\**