



GE LIGHTSPEED 1x – 4x COURSE Overview

Course: GE LightSpeed system course is designed for LightSpeed service engineers. The course covers safety, functional checks, calibration procedures, image performance, trouble shooting techniques, and routine maintenance as prescribed by the original manufacture. The course will be conducted on a staged and fully functional LightSpeed system.

Qualifications for Admission: Students should have prior CT service experience, preferably with GE CT. They should have a minimum of a two- year degree in electronics or equivalent experience. IRIX/UNIX/Linux O/S and laptop computer skills are helpful.

Course Overview:

Features: Hardware Layout Drawings and Diagrams Scan Parameters Scan Protocols Image Quality

System Software

- System Configurations Loading Software

Image Chain Engine

- ICE System Diagnostics

Host/DARC/IG Reconstruction Computers

- Host/DARC/IG Diagnostics and Troubleshooting

Gantry

- Functional Overview/Functional Checks/Zeus Diagnostics/Calibrations

Table

- Table Circuitry Functional Checks and Calibrations Diagnostics

PDU

- PDU Overview Service Considerations

Lab Exercises

X-Ray Tube Change, Hardware Identification, Slip-Ring Maintenance, Error Logs Diagnostics, Reloading Software, Preventive Maintenance.

Summary: Upon Completion of the LightSpeed 1x – 4x 5 day course, the engineer should be able to provide service and use troubleshooting skills to service to the subsystem level. Hands on labs will give the engineer experience with routine maintenance, calibrations, documentation, and typical service events. Engineer will be confident and prepared for full service coverage

Course outline may change to meet student's needs