



GE LIGHTSPEED 5X/BrightSpeed COURSE

Course: GE LightSpeed 5x/BrightSpeed 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. Being familiar with Linux OS will be helpful. A laptop computer is required for this course.

Course Overview:

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

System Software

- System Configurations / Loading Software

HOST / DARC / IGE Reconstruction computers

- HOST /DARC / IGE Diagnostics and troubleshooting

Gantry

- Functional Overview / Functional Checks / JEDI Diagnostics / Calibrations

Table

- Table Circuitry / Functional Checks / Calibrations

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 5X/BrightSpeed 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

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