



GE VCT COURSE OVERVIEW

Course: GE VCT system course is designed for CT service engineers. 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 VCT 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. Students should have basic computer skills and a laptop computer, familiarization with Linux is helpful.

Course Overview:

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

System Software

- System Configurations Loading Software

Console

- Host Computer, VDARC and VIG layout and diagnostics

Gantry

- Functional Overview, Functional Checks, Diagnostics and Calibrations

Table

- Table Circuitry Functional Checks, Calibrations and Diagnostics

NGPDU

- NGPDU Overview and Service Considerations

Lab Exercises

- X-Ray Tube Change, Detector Change overview, Hardware Identification, Slip-Ring Maintenance, Error Log interpretation, Hardware Diagnostics, Software Load from Cold, and System Preventive Maintenance procedures

Summary: Upon Completion of the LightSpeed VCT 5 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. Engineer will be confident and prepared for full service coverage.

Course outline may change to meet student's needs