



Siemens Emotion 6/16 CT COURSE OVERVIEW

Course: Emotion 16 CT 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 Emotion 16 CT system.

Qualifications for Admission: Students should have prior CT service experience, preferably with Siemens 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 MS Windows is helpful.

SUB-SYSTEMS COVERED

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

- System Software
 - System Software backup and restore
- Control
 - ICS Computer, IRS Computer/s diagnostics
- Gantry
 - Functional Overview, Functional Checks, Diagnostics and Calibrations
- Table
 - Table Circuitry Functional Checks, Calibrations and Diagnostics
- PDC
 - Overview and Service Considerations

Lab Exercises

- X-Ray Tube Change, Detector module change overview, Hardware Identification, Slip-Ring Maintenance, Error Log interpretation, Hardware Diagnostics, Software backup and restore, and System Preventive Maintenance procedures

Summary: Upon Completion of the Emotion 16 CT 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