



## **R&F GE PRECISION 500D COURSE OVERVIEW**

**Course:** GE Precision 500D system course is designed for X-ray service engineers. The course covers safety, functional checks, calibration procedures, image performance, troubleshooting techniques, and routine maintenance as prescribed by the original manufacturer. The course will be conducted on a staged and fully functional Precision 500D system.

**Qualifications for Admission:** Students should have prior R&F service experience, preferably with GE R&F systems. They should have a minimum of a two- year degree in electronics or equivalent experience. General computer skills are also necessary; being familiar with Linux is a plus. A laptop and personnel radiation monitor is required.

### **Course Overview:**

Class work:

- Hardware, software, and drawings overview
- System software operation and navigation
- Planned maintenance procedures
- Calibration procedure for dose, positioner, and imaging detector
- Software load, backup, and restoration
- Trouble shooting and diagnostics
- Common faults, failures, and repairs

Lab work:

- Equipment and software familiarization
- Perform calibration for positioned, dose, and detector
- Perform software load, backup, and restore
- Trouble shoot common problems

**Summary:** Upon Completion of the Precision 500D - (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 content may change to meet student's needs.*