

Electrical Systems: Reading Drawings and Schematics



GTI - Coordination Office and International Relations (Accredited Programs)

Course Description

This course is designed to prepare electrical personnel to troubleshoot from electrical drawings at commercial, industrial, and institutional installations.

Who Should Attend

- Engineers and Technicians involved in the design, operation, and maintenance of power substations.
- Electrical Engineering Students
- Maintenance Personnel seeking to enhance their technical drawing skills

Course Objectives

- Improve the skills of engineers involved in the design, operation, and maintenance of electrical systems.
- Understand the principles of reading and interpreting electrical schematics.
- Familiarize with various types of technical drawings and their applications.
- Develop proficiency in identifying electrical symbols and standards.
- Gain hands-on experience with real-world electrical prints and schematics.
- Enhance problem-solving skills through practical exercises.
- Understand the historical context and evolution of technical drawings.
- Learn to effectively communicate technical information through drawings.
- Explore software tools for creating and interpreting electrical diagrams.

Course Content

- History of Technical Drawing
- Aim and Use of Technical Drawings
- Types of Technical Drawings
- Anatomy of Technical Drawings
- Electrical Drawing Symbols
- Standards for Electrical Device Numbers
- Types of Electrical Drawings
- How to Read Electrical Drawings
- Practical Examples and Exercises
- Software Tools for Electrical Drawings