



Electrical Inspection

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This three-day course covers the codes and standards of the National Electrical Code and National Electrical Manufacturers Association, inspections for various electrical equipment, motor control center construction, controller fundamentals, circuit design, and an explanation

I. Introduction

II. Codes and Standards

- National Electrical Code
- National Electrical Manufacturers Association

III. Inspecting Electrical Equipment

- Wiring Methods and Materials
- Wiring Design and Protection
- Cable Trays and Raceways
- Conductor Ampacities
- Switchboards and Panelboards
- Circuit Breakers and Switchgear
- Equipment for General Use
- Transformers
- Lighting Circuits and Fixtures
- Fuses, Types, and Classifications

IV. Motor Control Centers

- Motors Nameplate Data
- Motor Controllers
- Motor Branch Circuits
- Motor Current Requirements per NEC
- Motor Protection
- Motor Classification
- Remote Control Circuits