



# Electrical Training

## Core Curriculum

- Tools for Success (4 Hours)
- Introduction to Basic Safety (5 Hours)
- Introduction to Hand Tools (4 Hours)
- Introduction to Power Tools (4 Hours)
- Introduction to Blueprints (5 Hours)
- Basic Rigging (8 Hours)
- Basic Communication Skills (4 Hours)
- Basic Employability Skills (12 Hours)
- Work Ethic / Soft Skills
- 10 Hour OSHA Safety Training
- Drug Testing

## Electrical- Level I

- Electrical Safety (7 Hours)
- Hand Bending (21 Hours)
- Electrical Theory, One (14 Hours)
- Electrical Theory, Two (21 Hours)
- Fasteners and Anchors (7 Hours)
- Electrical Test Equipment (10.5 Hours)
- Introduction to the National Electrical Code (10.5 Hours)
- Introduction to Electrical Blueprints (10.5 Hours)
- Raceways, Boxes, and Fittings (14 Hours)
- Conductors (10 Hours)
- Wiring: Commercial and industrial (28 Hours)
- Wiring: Residential (35 Hours)
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## Electrical – Level III

- Load Calculations-Branch Feeders and Circuits (21 Hours)
- Conductor Selection and Calculations (17.5vHours)
- Over Current Protection (10.5 Hours)
- Raceway, Box and Fitting Fill Requirements (14 Hours)
- Wiring Devices (7 Hours)
- Distribution Equipment (7 Hours)
- Distribution System Transformers (14 Hours)
- Lamps, Ballasts, and Components (10.5 Hours)
- Motor Calculations (14 Hours)
- Motor Maintenance, Part One (7 Hours)
- Motor Controls (28 Hours)
- Hazardous Locations (10.5 Hours)

## Electrical – Level II

- Conduit Bending (28 Hours)
- Boxes and Fittings (10.5 Hours)
- Alternating Current (21Hours)
- Motors: Theory and Application (21 Hours)
- Grounding (7 Hours)
- Cable Tray (7 Hours)
- Conductor Installations (10 Hours)
- Conductor Terminations and Spices (7 Hours)
- Circuit Breakers and Fuses (7 Hours)
- Installation of Electric Services (21 Hours)
- Electric Lighting (14 Hours)
- Contactors and Relays (14 Hours)

## Electrical – Level IV

- Load Calculations Feeder and Services (14 Hours)
- Practical Applications of Lighting (10.5 Hours)
- Standby and Emergency Systems (14 Hours)
- Basic Electronic Theory (21 Hours)
- Fire Alarm Systems (14 Hours)
- Specialty Transformer (14 Hours)
- Advanced motor Controls (24.5 Hours)
- HVAC Controls (14 Hours)
- Heat Tracing and Freeze Protection (10.5 Hours)
- Motor Maintenance, Part Two (14 Hours)
- High-voltage terminations/Spices (10.5 Hours)