

“THE ROAD TO INSIDE JOURNEYMAN WIREMAN”

- **720 Hours of Core & Advanced Classroom Training**

- **First Session:** Codes and Standards, Electrical Theory (DC), Industry Orientation, Installation Applications, Jobsite Skills and Practices, Safety Awareness, Conduit Bending
- **Second Session:** Codes and Standards, Construction Documentation, Electrical Theory (AC), Advanced Conduit Bending, Transformer Applications, Test Instruments, Structured Cabling.
- **Third Session:** Codes and Standards, Applied Grounding and Bonding, Motor Code Calculations, Motors, Motor Control, Rigging and Lifting, Torque for the Electrical Industry, Fiber Optic Cabling and Terminations
- **Fourth Session:** Codes and Standards, Advanced Code Calculations, Building Automation, Health Care Facilities, Fire Alarm Systems, Instrumentation, Programmable Logic Controllers

- **On The Job (OJT) Training**

- Project Layout & Planning
- Underground Installations
- Thinwall Conduit Raceway Systems
- Rigid Conduit Raceway Systems
- Installing Services, Switchboards and Panels
- Floor Duct Installation
- Motor Control Center Installation
- Installing, Splicing & Terminating Wires and Cables
- Cable Tray Installation
- Lighting System Installation
- Testing and Troubleshooting Feeders, Motors and Branch Circuits
- Fire Alarm Installation
- Motor Installation
- Control System Installation
- Installing and Programming Programmable Logic Controllers
- Installing Instrumentation and Process Control Systems
- Security System Installation
- Installing Sound and Communication Systems
- Installing and Terminating Transformers
- Installing Fiber Optic Cable
- Alternative Energy Sources (Solar, Wind, Fuel Cell, etc)
- Welding and Brazing
- Service and Troubleshooting
- Material Handling and Pre-Fabrication
- Safety Awareness and Other Specialized Areas