

COMMERCIAL INSIDE PROGRAM – WORK EXPERIENCE – OJT HOURS

- A. Project Layout and Planning (400 Hours)
 - Reading and interpreting blueprints and specifications
 - Coordination between crafts, engineers and architects
 - Layout feeders, risers and branch circuits
- B. Underground Installations (600 Hours)
 - Trenching and ditch digging
 - Direct Burial
 - Installing PVC/Rigid Conduit
 - Installing grounding electrode systems
- C. Thinwall Conduit Raceway Systems (1500 Hours)
 - Fastening and supporting devices
 - Conduit fabrication
 - Installation of conduit, fittings and boxes
- D. Rigid Conduit Raceway Systems (800 Hours)
 - Fastening and supporting devices
 - Bender setup
 - Conduit fabrication
 - Installation of conduit, fittings and boxes
- E. Installing Services, Switchboards and Panels (500 Hours)
 - Mounting devices
 - Breaker installation
 - Terminations
- F. Floor Duct Installation (200 Hours)
 - Transit/Grade establishment
 - Installing duct and fittings
 - Core drilling and outlet installation
- G. Motor Control Center Installation (200 Hours)
 - Rigging and mounting
 - Terminating feeders, branch circuits and control wiring
- H. Installing, Splicing & Terminating Wires and Cables (1500 Hours)
 - Establishing temporary power
 - Feeders and branch circuits
 - Control wiring
 - Splices, taps and terminations
- I. Cable Tray Installations (150 Hours)
 - Fabrication
 - Installing support devices
 - Installing cable tray and covers
- J. Lighting Installations (1000 Hours) (MAX)
 - Installing fixtures
 - Control devices
- K. Testing and Troubleshooting (200 Hours)
 - Feeders, Motors and Branch Circuits
 - Checking circuit continuity
 - Identifying fault current to ground
 - Meggering and Hi Potting
- L. Fire Alarm Installation (300 Hours)
 - Certifying system operation
 - Repair and maintenance
 - Ground Verification
- M. Motor Installation (400 Hours)
 - Blueprint and specification interpretation
 - Layout and circuit installation
 - Control panel and device installation
 - Programming and testing
- N. Control System Installation (200 Hours)
 - Rigging and Setting
 - Alignment
 - Circuiting and Terminations
 - Testing
- O. Control System Installation (200 Hours)
 - Blueprint and specification interpretation
 - Layout and circuit installation
 - Distributed control
- P. Installing and Programming (250 Hours)
 - Programmable Logic Controllers
 - Module installation
 - Control wiring and devices
 - Programming
- Q. Installing Instrumentation and Process Control Systems (400 Hours)
 - Control wiring and devices
 - Programming
- R. Installing Instrumentation and Process Control Systems (400 Hours)
 - Blueprint and specification interpretation
 - Layout and installations
 - Calibration
- S. Security, Sound and Fiber (350 Hours)
 - Blueprint and specification interpretation
 - Layout
 - Box and circuit installation
 - Terminations
 - Testing
 - Installing Sound and Communication Systems
 - Blueprint and specification interpretation
 - Layout
 - Conduit and box installation
 - Installing panels and network devices
 - Circuit installations
 - Terminations and testing
 - Equipment layout
 - Installing cable
 - Polishing and terminating
 - Testing and verifying
- T. Installing and Terminating Transformers (100 Hours)
 - Rigging and mounting
 - Primary and secondary terminations
 - Testing and troubleshooting

COMMERCIAL INSIDE PROGRAM – WORK EXPERIENCE – OJT HOURS

- S. Welding and Brazing (50 Hours)
 - Machine setup
 - Fabrication
 - Welding, grinding and finishing
- T. Service and Trouble Shooting (300 Hours)
 - Testing, analysis and repair of: motors, transformers, electrical devices, electronic devices, magnetic devices, lighting and power circuits, equipment and machinery, control circuits and devices.
- U. Material Handling and Pre-Fabrication (400 Hours) (MAX)
 - Material/equipment awareness
 - Fabricating for field installation
- V. Safety Watch and Tool Crib (300 Hours) (MAX)

ADDITIONAL CODES

SD – Sick Day
HD – Holiday
ID – Injured
DO – Day Off
VD – Vacation Day
Ⓢ - 2 Hrs. Show Up
NW – No Work
MA – Medical Appointment
/ - Sat. & Sun.
UE – Unemployed
CD – Class Day
X - Other