

RESIDENTIAL PROGRAM – WORK EXPERIENCE – OJT HOURS

- A. Project Layout and Planning (300 Hours)
 - Reading and interpreting blueprints and specifications
 - Coordination between crafts, general contractor and homeowner
 - Layout services and branch circuits
- B. Underground Installation (500 Hours)
 - Trenching and ditch digging
 - Direct Burial
 - Installing PVC/Rigid Conduit
 - Installing grounding electrode systems
- C. Thinwall Conduit Raceway Systems (200 Hours)
 - Fastening and supporting devices
 - Conduit fabrication
 - Installation of conduit, fittings and boxes
 - Water Meter Remote (Basements)
 - i. Washer/Dryer/Freezer
- D. Rigid Conduit Raceway Systems (200 Hours)
 - Fastening and supporting devices
 - Conduit fabrication
 - Installation of conduit, fittings and boxes
 - Service Mast
- E. Installing Services, Switchboards and Panels (600 Hours)
 - Mounting Panels
 - Breaker installation
 - Fuse Installations
 - Terminations and Bonding
- F. Installing, Splicing & Terminating Wires and Cables (1200 Hours)
 - Installing Non-metallic Sheath cable
 - Establishing temporary power
 - Feeders and branch circuits
 - Control Wiring
 - Splices, taps and terminations
- G. Lighting Installations (900 Hours)
 - Installing outlet boxes and conductors
 - Installing fixtures
 - Control devices
- H. Installing Devices (850 Hours)
 - Receptacles
 - Switches
 - Face Plates
- I. Testing and Troubleshooting Feeders, Motors and Branch Circuits (200 Hours)
 - Identifying fault current to ground
 - Certifying system operation
 - Repair and Maintenance
 - Ground Verification
- J. Fire Alarm Installation (150 Hours)
 - Blueprint and specification interpretation
 - Layout and circuit installation
 - Control panel and device installation
 - Programming and testing
- K. Security System Installation (200 Hours)
 - Blueprint and specification interpretation
 - Layout
 - Box and circuit installation
 - Terminations
 - Testing
- L. Installing Communication and Sound Systems (350 Hours)
 - Blueprint and specification interpretation
 - Layout
 - Conduit and box installation
 - Installing panels and network devices
 - Circuit installation
 - Terminations and testing
- M. Installing and Terminating Transformers (150 Hours)
 - Mounting and Installation
 - Primary and secondary terminations
 - Testing and troubleshooting
 - Low Voltage Systems (Door Bells)
- N. Installing Specialized Systems (400 Hours)
 - Basic life safety
 - Custom and low-voltage control
 - Entertainment and Environmental
- O. Service and Troubleshooting (400 Hours)
 - Testing, analysis and repair of motors, transformers, electrical devices, electronic devices, magnetic devices, lighting and power circuits, control circuits and devices.
- P. Material Handling and Pre-Fabrication (150 Hours)
 - Material / equipment awareness
 - Fabricating for field installation
- Q. Old Work (300 Hours)
- R. Floor Duct/Receptacle Installation (0 Hours)
 - Transit/Grade establishment
 - Installing duct and fittings
 - Core drilling and outlet installation
- S. Installing Fiber Optic Cable (50 Hours)
 - Equipment Layout
 - Installing cable
 - Polishing and terminating
 - Testing and Verifying
- T. Safety Awareness & Other Specified Areas (100 Hours)

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