

RESIDENTIAL PROGRAM – WORK EXPERIENCE – OJT HOURS

- A. Project Layout and Planning (225 Hours)
- Reading and interpreting blueprints and specifications
 - Coordination between crafts, general contractor and homeowner
 - Layout services and branch circuits
- B. Underground Installation (375 Hours)
- Trenching and ditch digging
 - Direct Burial
 - Installing PVC/Rigid Conduit
 - Installing grounding electrode systems
- C. Thinwall Conduit Raceway Systems (150 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 (50 Hours)
- Fastening and supporting devices
 - Conduit fabrication
 - Installation of conduit, fittings and boxes
 - Service Mast
- E. Installing Services, Switchboards and Panels (550 Hours)
- Mounting Panels
 - Breaker installation
 - Fuse Installations
 - Terminations and Bonding
- F. Installing, Splicing & Terminating Wires and Cables (1000 Hours)
- Installing Non-metallic Sheath cable
 - Establishing temporary power
 - Feeders and branch circuits
 - Control Wiring
 - Splices, taps and terminations
- G. Lighting Installations (700 Hours)
- Installing outlet boxes and conductors
 - Installing fixtures
 - Control devices
- H. Installing Devices (700 Hours)
- Receptacles
 - Switches
 - Face Plates
- I. Testing and Troubleshooting Feeders, Motors and Branch Circuits (150 Hours)
- Identifying fault current to ground
 - Certifying system operation
 - Repair and Maintenance
 - Ground Verification
- J. Fire Alarm Installation (125 Hours)
- Blueprint and specification interpretation
 - Layout and circuit installation
 - Control panel and device installation
 - Programming and testing
- K. Security System Installation (120 Hours)
- Blueprint and specification interpretation
 - Layout
- Box and circuit installation
 - Terminations
 - Testing
- L. Installing Communication and Sound Systems (120 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 (120 Hours)
- Mounting and Installation
 - Primary and secondary terminations
 - Testing and troubleshooting
 - Low Voltage Systems (Door Bells)
- N. Installing Specialized Systems (120 Hours)
- Basic life safety
 - Custom and low-voltage control
 - Entertainment and Environmental
- O. Service and Troubleshooting (500 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 (165 Hours)
- Material / equipment awareness
 - Fabricating for field installation
- Q. Old Work (225 Hours)
- R. Floor Duct/Receptacle Installation (10 Hours)
- Transit/Grade establishment
 - Installing duct and fittings
 - Core drilling and outlet installation
- S. Installing Fiber Optic Cable (10 Hours)
- Equipment Layout
 - Installing cable
 - Polishing and terminating
 - Testing and Verifying
- T. Safety Awareness & Other Specified Areas (75 Hours)
- U. Control System Installation (10 Hours)
- Blueprint and Specification Interpretation
 - Layout and Circuit Installation
 - Distributed Control

ADDITIONAL CODES

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