

Electrical (Construction) Joint Apprenticeship Program
Work Codes

Construction Electrician

SCHEDULE OF PROCESSES TO BE WORKED: In order to obtain well-rounded training and thereby qualifying as a skilled worker in the trade, the apprentice shall have experience and training in the following areas. This instruction and experience shall include the following operations but not necessarily in the sequence given. Time spent on specific operations need not be continuous.

	<u>Approximate Hours</u>
Conduit, 2" and Larger – Thin wall, rigid, flexible, sealtite, aluminum, plastic*	300
Conduit, 1.5" and Smaller – Thin wall, rigid, flexible, sealtite, aluminum, plastic*	1500
Other Raceways – Under floor duct, cable tray, square duct, metal molding, ladder racks and pull boxes*	100
Bus Duct – Trolley duct, service duct, crane rails and distribution bus duct*	100
Distribution Equipment, 600 Volts and Over – To include the termination and/or splicing or high voltage cable. Installation and connecting of cubicles, transformers, switch gear, etc*	100
Distribution Equipment, Under 600 Volts – Service panels, sub 400 panels, fuse panels and transformers*	400
Machinery Installation – Setting and aligning motors, kitchen, laundry equipment, aid equipment	100
Installation of Wires and Cables – Wire, cables, nonmetallic sheathed cable, armored cable, in conduit, trays, duct, racks, wire mold, etc. and fabricating and rigging	1000
Installation of Finish Materials and Trim Devices – Assemble and install fixtures, switches, receptacles, electric heating equipment (eg., baseboard heaters, valance heaters, radiant heaters, etc.)	1500
Installing and Wiring Control Equipment – Motor control equipment relays, thermostats, indicators, tach generators, motion switches, process controls, limit switches, counters, timers, selsyn motors, instruments, electronic speed controls, humidity controls micro switches, voltage controls, current controls, static controls and air conditioning equipment	400
Specialized – Wiring of specialized systems to include: sound systems, CRT and data systems telephones, fire alarm systems, fiber optics, energy management systems, nurse call systems, closed circuit TV, and street and highway lighting	2000
Other – Trenching, cleanup, handling of material, stock room, etc.	500
TOTAL OJT HOURS REQUIRED FOR COMPLETION	8000

The above schedule is to include all operations and such other work as is customary in the trade.

*To include all layout, drilling, anchoring, digging, channeling, fabricating or hangers and rigging pertinent to the installation of the above.

Paid Related Instruction (Traditionally Day School – whether paid or not)	Hours varies by program
Unpaid Related Instruction (Traditionally Night School)	Hours varies by program