Electrician Apprentice (47-3013.00)

At-a-Glance Statistics

Sample Job Titles
Cable Puller, Electrician Helper

Key Tasks
- Measure, cut, and bend wire and conduit, using measuring instruments and hand tools.
- Trace out short circuits in wiring, using test meter.
- Strip insulation from wire ends, using wire stripping pliers, and attach wires to terminals for subsequent soldering.
- Examine electrical units for loose connections and broken insulation and tighten connections, using hand tools.
- Construct controllers and panels, using power drills, drill presses, taps, saws, and punches.
- Drill holes and pull or push wiring through openings, using hand and power tools.
- Clean work area and wash parts.
- Maintain tools, vehicles, and equipment and keep parts in order.
- Transport tools, materials, equipment, and supplies to work site by hand, hand truck, or heavy, motorized truck.
- Install copper-clad ground rods, using a manual post driver.
- Thread conduit ends, connect couplings, and fabricate and secure conduit support brackets, using hand tools.
- Disassemble defective electrical equipment, replace defective or worn parts, and reassemble equipment, using hand tools.
- Perform semi-skilled and unskilled laboring duties related to the installation, maintenance and repair of a wide variety of electrical systems and equipment.

**Education and Training**

- Post-secondary equivalent: 59%
- High school diploma or equivalent: 18%
- Less than a high school diploma: 8%

**Median Wages**

- Hourly: $15.10
- Annually: $31,410

**Top Industries**

- Construction

**Number Employed**

- 78,000 positions
- 11,400 job openings

**Top Ten States for Occupational Percentage Growth**

- UT: 44%
- CO: 43%
- AZ: 36%
- MT: 25%
- NV: 25%
- FL: 22%
- TX: 18%
- TN: 17%
- WA: 17%
- WY: 17%