

Career Connections

Electrician

Description of Work

Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electrical control systems.

A Day in the Life (Some Typical Activities)

Plan layout of construction, installation, or repairs. Install electrical components, equipment, or systems. Test electrical equipment or systems to ensure proper functioning. Inspect electrical or electronic systems for defects. Create construction or installation diagrams. Repair electrical equipment. Update job-related knowledge or skills. Communicate with other construction or extraction personnel to discuss project details. Thread wire or cable through ducts or conduits. Direct construction or extraction personnel. Train construction or extraction personnel. Assist skilled construction or extraction personnel. Estimate construction project costs. Order construction or extraction of materials or equipment. Prepare operational reports. Fabricate parts or components. Dig holes or trenches.

Skills needed

- Troubleshooting: Figuring out what is causing equipment, machines, wiring, or computer programs to not work.
- Repairing: Repairing machines or systems using the right tools.
- Active Listening: Listening to others, not interrupting, and asking good questions.
- Judgment and Decision Making: Thinking about the pros and cons of different options and picking the best one.
- Critical Thinking: Thinking about the pros and cons of different ways to solve a problem.

Annual Projected Job Openings (CA)

2,790

Annual Projected Job Openings (USA)

18,180

CA Wages

\$35,560–\$106,090

USA Wages

\$31,800–\$90,420

Required Education (To Start)

- High school diploma or equivalent, apprenticeship.
- Some states require an occupational license to work in this career.

Desired Experience

Apprenticeship

Source: CareerOneStop.