

Electricians



Architecture and
Construction

Also called: Chief Electrician, Electrician, Journeyman Electrician, Maintenance Electrician

What they do:

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.

On the job, you would:

- Plan layout and installation of electrical wiring, equipment, or fixtures, based on job specifications and local codes.
- Connect wires to circuit breakers, transformers, or other components.
- Test electrical systems or continuity of circuits in electrical wiring, equipment, or fixtures, using testing devices, such as ohmmeters, voltmeters, or oscilloscopes, to ensure compatibility and safety of system.

Knowledge

Engineering & Technology

- building and construction
- mechanical

Math & Science

- arithmetic, algebra, geometry, calculus, or statistics
- physics

Arts & Humanities

- English language

Safety & Government

- public safety and security

Personality

People interested in this work like activities that include **practical, hands-on problems and solutions.**

They do well at jobs that need:

- **Dependability**
- **Attention to Detail**
- **Integrity**
- **Analytical Thinking**
- **Initiative**
- **Leadership**

Wages

\$ 21.67
Per Hour
45,073
Per Year

Skills

Basic Skills

- listening to others, not interrupting, and asking good questions
- thinking about the pros and cons of different ways to solve a problem

People and Technology Systems

- thinking about the pros and cons of different options and picking the best one
- figuring out how a system should work and how changes in the future will affect it

Problem Solving

- noticing a problem and figuring out the best way to solve it

Technology

You might use software like this on the job:

Analytical or scientific software

- Construction Master Pro software
- Electrosoft FlashWorks

Database user interface & query software

- Insight Direct ServiceCEO
- Resolve service management software

Computer aided design CAD software

- One Mile Up Panel Planner
- SmartDraw software

Abilities

Hand and Finger Use

- keep your arm or hand steady
- put together small parts with your fingers

Ideas & Logic

- notice when problems happen
- make general rules or come up with answers from lots of detailed information

Verbal

- listen & understand what people say
- communicate by speaking

Visual Understanding

- see hidden patterns

Education



Postsecondary non-degree award

Job Outlook

155 Annual Openings

H3 High Wage, Skill, Demand Occupation