My Next Move (www.mynextmove.org) is a website created by the National Center for O*NET Development for the U.S. Department of Labor, Employment and Training Administration. It provides easy access to career exploration, educational and training programs, and job postings. Students and those in transition will find this streamlined Web site a great tool in helping determine their next move on the road to a satisfying career.
Electricians

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 and Technology
  - building and construction
  - mechanical
- Math and Science
  - arithmetic, algebra, geometry, calculus, or statistics
  - physics
- Arts and Humanities
  - English language
- Safety and Government
  - public safety and security

**SKILLS**
- Basic Skills
  - Listening to others, not interrupting, and asking good questions;
  - Thinking about the pros and cons of different options and picking the best one;
- 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

**ABILITIES**
- Hand and Finger Use
  - Keep your arm or hand steady;
  - Put together small parts with your fingers
- Ideas and Logic
  - Notice when problems arise;
  - Make general rules or come up with answers from lots of detailed information
- Verbal
  - Listen and understand what people say;
  - Communicate by speaking
- Visual Understanding
  - See hidden patterns

**PERSONALITY**
People interested in this work like activities that include practical, hands-on problems and solutions.
- Dependability
- Attention to Detail
- Integrity
- Analytical Thinking
- Initiative
- Leadership

**TECHNOLOGY**
You might use software like this on the job:
- Analytical or scientific software
  - Construction Master Pro
  - Autodesk FlashWorks
- Data base user interface and query software
  - Insight Direct ServiceEO
  - Resolve Systems Service Management
- Computer aided design CAD software
  - Autodesk AutoCAD
  - One Mile Up Panel Planner

**EDUCATION**
- Certificate after high school or high school diploma/GED
- Usually needed
- Get started on your career:
  - Find Training
  - Find Licenses
  - Apprenticeship.gov

**JOB OUTLOOK**
- New job opportunities are likely in the future.
- Average Salary: $54,110
- Low: $32,180
- High: $92,690

**EXPLORE MORE**
You might like a career in one of these industries:
- Construction

See more details at O*NET OnLine about electricians.

O*NET OnLine (onetonline.org) provides detailed descriptions and more ways to search careers.