



Electrician/Electronics Technician

A Mechanical Electrician/Electronics Technician is responsible for wiring and maintaining the electrical systems in/on mechanical equipment.



Inspiring Minds to Grow

Funded by the Department of Commerce and Economic Opportunity

career profile

Name: Edwin Warner
Job Title: Electrician /
Electronics Technician

Employer: Appalachian Electric Services

Education: High School Diploma: Hampshire, West Virginia

☀️ I've always liked working with my hands. I remember looking forward to working in the agriculture mechanics shop during high school. It was definitely the best part of my school day because I felt like I was really doing something. After graduation, I participated in an apprenticeship program that prepared me to become an electrician.

☀️ As an electrician, I install, maintain, and repair electrical systems. Installation involves electrical wiring, assembling electrical parts, and testing fixtures and components that provide electricity. I refer to blueprints and diagrams during installation and when I am required to troubleshoot and diagnose electrical problems. I perform preventative maintenance to avoid

operational failures of electrical systems. I use computers and other technologies to test electrical systems. I read meters to determine amperage, voltage, and electrical output and input. I maintain an inventory of instruments and electrical/electronic parts. It is very important that I comply with local and national electrical codes. I assist in training newer electricians. In addition, I contribute in the development and review of electrical programs and procedures for the company.

☀️ I like being an electrician because it involves problem solving and because I really enjoy moving around throughout the day. I also like knowing that I am skilled in something that most people can't do.



Electrician / Electronics Technician

overview



An **electrician / electronics technician** is responsible for planning, installing, and maintaining electrical systems.

suggested high school courses



[agricultural mechanics](#), physical science, and mathematics

experience needed



Seek a formal apprenticeship. Plan and implement a related Supervised Agricultural Experience (SAE) Program.

degree(s) required



A high school diploma is recommended. An apprenticeship is the typical route taken to learn the trade. Most states require an electrician to be licensed.

potential employers



electrical contractors, private utility companies, self-employment, some state and government agencies

salary range



\$42,124 to \$67,648

employment outlook and trends



The future job market for electricians / electronics technicians is considered to be **good** to **excellent** depending on skills, certification, and location.

professional organizations



National Electrical Contractors Association www.necanet.org/
Farm Equipment Manufacturers Association www.farmequip.org/
Independent Electrical Contractors Association www.ieci.org/



Want to Learn More?

www.agcareers.com
www.illinoisworknet.com/vos_portal/industry/en/Home
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