

ELECTRICIAN / ELECTRONICS TECHNICIAN

Electrician/Electronics Technicians implement wiring and the maintenance for mechanical equipment in electrical systems.

WHAT RESPONSIBILITIES WILL I HAVE?

- Installation, maintenance and repair of electrical systems
- Read blueprints and diagrams while troubleshooting and diagnosing electrical problems
- Perform preventative maintenance to avoid operational failures of electrical systems
- Install electrical wiring, assemble electrical parts and test fixtures and components that provide electricity to related instruments
- Provide drawings and suggestions related to inspection and testing
- Use computers and other technologies to test electrical equipment
- Tear apart and reassemble equipment
- Read dials and meters to determine amperage, voltage, electrical output and input at specific operating temperature to analyze parts performance
- Install electrical warning systems
- Ensure compliance with local and national electrical codes
- Maintain an inventory of the instrument/electrical/electronic parts
- Assist in developing, trainings and reviewing electrical programs and procedures for company



WHAT EDUCATION & TRAINING IS REQUIRED?

High school diploma with electrical certifications; more preferably an Associate's degree in industrial technology, HVAC maintenances, or electrical/electronic technology

THE FOLLOWING HIGH SCHOOL COURSES ARE RECOMMENDED...

Agricultural education, a focus on sciences, mathematics

TYPICAL EMPLOYERS

Farm equipment manufacturers, grain milling operations, research firms, meat processing companies, government agencies; may also be self-employed

FUTURE JOB MARKET/OUTLOOK



SUGGESTED PROFESSIONAL ORGANIZATIONS & ASSOCIATIONS

- International Association of Electrical
- National Electrical Contractors Association
- Farm Equipment Manufacturers Association

AVERAGE ANNUAL FULL-TIME SALARY

\$42,000