



## CAREER PROFILE

# Electrician

CHS is the largest farmer-owned cooperative in the United States and one of the biggest names in **agriculture and energy**—including grain processing. **Electricians** who install and repair electrical apparatuses for lighting, power and control mechanisms, and communications are vital to maintaining the smooth running of operations. Keeping the electricity needs for the systems under control can seem almost impossible. This is where **electricians** play a vital role.

**Grain Processing** refers to the set of procedures and technologies used to transform raw agricultural products, such as grains, into finished goods.

## WHAT IS AN ELECTRICIAN?<sup>1</sup>

**Electricians** typically read blueprints or technical diagrams to install and maintain wiring, control, power, and lighting systems for large-scale facilities or residences.

They inspect electrical components, such as transformers and circuit breakers, identifying electrical problems using a variety of testing devices, and then repair or replace wiring, equipment, or fixtures using hand tools or power tools.

**Electricians** must follow state and local building regulations based on the National Electrical Code.

Head **electricians** often direct and train workers to install, maintain, or repair electrical wiring or equipment.

### AM I...

Good at finding, diagnosing, and repairing problems?

Able to kneel or stand for long periods?

A critical thinker?

### DO I...

Enjoy working with people?

Have good troubleshooting skills?

Enjoy using hand tools and power tools?

## IS ELECTRICIAN A GOOD CAREER FOR ME?

**Electricians** are:

- good at identifying problems.
- multitaskers.
- attentive to details.
- enjoy working with hand or power tools.
- comfortable with long periods of standing or kneeling.
- comfortable working indoors or outdoors.

## HOW DO I BECOME AN ELECTRICIAN? <sup>1</sup>

You may need to:

- learn through a 3–5-year apprenticeship.
- attend classes to learn circuitry, safety practices, and basic electrical information.
- learn advanced skills for working with solar photovoltaic, electrical generating, or lighting systems.
- acquire a license from your state.

## CAREER OUTLOOK <sup>1</sup>

The median annual wage for **electricians** in the United States was \$61,590 in May 2023. The lowest 10 percent earned less than \$38,470, and the highest 10 percent earned more than \$104,180.

**\*Note:** *Listed salary range reflects national averages and should only be used as a reference. Compensation can vary due to a variety of factors ranging from location, industry, cost of living, years of experience, and more. You should expect to discuss salary on a job-by-job basis.*

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<sup>1</sup> <https://www.bls.gov/ooh/construction-and-extraction/electricians>

<sup>2</sup> <https://q.co/kqs/w6QXtwV>