

## Architecture & Construction Cluster



Careers in designing, planning, managing, building and maintaining the built environment.

**Data Sources**  
Bureau of Labor  
Statistics  
CareerInfoNet  
CareerClusters  
The College  
Board  
Tracer

# Electricians

Every day we flip light switches, turn on computers, adjust the air conditioning and run microwaves. It all works like magic, thanks to electricians. They're some of the first workers at a construction site, providing the builders with light and power. During construction, they run the wires and cables that carry electricity into the building. And when it's complete, electricians flip the switch that fills the building with light, changing it from an empty shell into a place where people can live and work.

If you have attention to detail and an interest in construction, a career as an **electrician** may be for you.

**Electricians install, test and repair electrical systems. They put in wires, connect them to circuit breakers and test circuitry for safety, following local and national building codes.**

### Are You Ready To...?

- Work nights or weekends on jobs that require round-the-clock maintenance
- Spend hours working in hot, dusty or cramped areas
- Work while standing on ladders or scaffolding
- Exercise caution to avoid shocks
- Pay attention to safety requirements

### It Helps To Be...

Good with your hands, steady, alert and focused. Electrical systems only work when everything is just right, so start paying attention to details now.

### A Day In The Life...

- Adhere to safety procedures
- Analyze operation of malfunctioning electrical or electronic equipment
- Bend tubing or conduit
- Climb ladders, scaffolding or utility and telephone poles
- Construct or fabricate electrical parts

### Salary and Opportunity in the Austin-area

**Median Hourly Wage: \$23.76**

*That comes out to more than  
\$49,429 a year.*

**In 2016, we had  
2,777 Electricians.  
By 2026, we'll need 3,235.**

*Could you be one of the 458?*

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# Electricians

## After High School...

In addition to a high school diploma, many employers look for electricians to train in a **formal apprenticeship program** that includes on-the-job training and classroom instruction.



## Top 5 Industries for Electricians

1. Building Equipment Contractors
2. Local Government
3. Hospitals
4. Employment Services
5. Residential and Commercial Construction Contractors

For more Career Profiles, visit our website:

<http://www.wfscapitalarea.com/YouthServices/CareerPlanning.aspx>.

## Related College Majors

- Building and Property Maintenance
- Construction Management
- Construction Technology
- Electrical Engineering
- Electrical Engineering Technology

## Related Industry Certifications

- Certified Apprentice Lighting Technician
- General Electrician Certification
- Photovoltaic (Solar Panel) Installer Certification
- Residential Electrician

## Related Careers

- Construction and Building Inspectors
- Electrical Engineers
- Elevator Installers and Repairers
- Heating, Ventilating, Air-Conditioning and Refrigeration Technicians
- Telecommunications and Radio Technicians
- Theater/ Film and TV Technicians

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