

CAREER PROFILE

JOB DESCRIPTION

- Install, maintain, and repair electrical systems in buildings, including homes, factories, offices and retail stores.
- Install wiring systems, outlets, and light switches; inspect circuit breakers and transformers; repair and replace wiring when needed.

PAY

Average salary: \$61,590 (\$29.61 per hour) in 2023.

JOB OUTLOOK

6% (faster than average) for 2022-32

EDUCATION/TRAINING

Options include:

- 4-5 year apprenticeship
- Technical training paired with paid on-the-job training
- An Associate in Applied Science degree in Electrical Construction or a related field from a technical college

After receiving a license, you can work unsupervised as a journeyman.

IMPORTANT SKILLS

- Willingness to learn
- Solid work ethic
- Successfully passing a drug test and maintaining a clean drug card
- Strong math and reading skills
- Physical stamina and strength
- Ability to distinguish between different colors
- Critical-thinking skills
- Customer-service skills
- Troubleshooting skills

CAREER OPTIONS

- Journeyman
- Supervisor
- Project manager
- Union representative
- Independent contractor



WAYS TO SPECIALIZE



A skilled craftsman who works on large commercial projects, including new construction, remodeling, maintenance, and repair of factories, schools, hospitals, and other large establishments.

Involves installation, assembly, testing, repair, and design of electrical wiring, fixtures, and equipment.

Also known as an Electrical Construction Worker.



A skilled craftsman who specializes in wiring houses, apartments, and other living spaces.

Works on:

- Residential Power & Lighting Systems.
- Home Automation Systems, such as telephone systems, security systems, fire alarm systems, TV & satellite systems, local area networks, and climate control systems.

RELATED CAREER PATH



Install or repair electrical power systems and telecommunications cables, including fiber optics.

First Energy Corporation offers:

- A comprehensive Co-op/Intern Program that provides hands-on, project-based work experiences.
- A two-year apprenticeship program (*under development*) with classroom and hands-on training from seasoned professionals.

For more information contact First Energy at (800)829-6801 or visit:

www.firstenergycorp.com/careers/apprenticeship-program.html

ABOUT APPRENTICESHIPS

CERTIFICATE & DEGREE PROGRAMS

MINIMUM REQUIREMENTS

- At least 18 years of age (or 17 years and a high school graduate).
- High school diploma, GED, or an associate or higher degree.
- A qualifying score of '4' on the electrical trade's aptitude test developed and validated by the American Institutes for Research. Applicants are scheduled for the aptitude test upon receipt of all required documentation and a processing fee.
- A valid driver's license and reliable transportation.
- Physical ability to perform electrical construction work.
- A legal right to work in the United States.
- A passing grade in high school.

TRAINING

- Electrical theory
- Blueprint reading
- Mathematics,
- Electrical code requirements
- Safety and first aid practices
- Specialized training such as soldering, communications, fire alarm systems and elevators.

RESOURCES

IBEW Local 673 Electrician Apprenticeships

(Lake, Ashtabula and Geauga counties)

8376 Munson Road, Mentor, OH 44060

440-255-3208

Paul Rehberger, Training Director

ibew673.org/electrician-apprenticeship/

Cleveland Electrical Joint Apprenticeship & Training Center *(Cuyahoga county)*

cejatc.org/the-cleveland-electrical-apprenticeship-program/

Akron Electrical Joint Apprenticeship & Training Center *(Akron area)*

electrifymyfuture.com/

LAKELAND COMMUNITY COLLEGE

Kirtland

- Electrical Construction Certificate (30-credit hours)
- Associate of Technical Studies, Electrical Construction (5-year program offered in conjunction with IBEW 673)

catalog.lakelandcc.edu/degree-certificate-programs/ecta/

ASHTABULA COUNTY TECHNICAL AND CAREER CAMPUS

Jefferson

Industrial Electrician A-Tech Workforce Development four-year apprenticeship program is approved through the U.S. Department of Labor and provide advanced training for Industrial Electricians.

<https://www.atech.edu/ApprenticeshipPrograms.aspx>

ADDITIONAL RESOURCES

Cleveland Building and Trades Center

www.cbctc.org/

National Electrical Contractors Association

www.necanet.org/education

BLS Occupational Outlook Handbook

www.bls.gov/ooh/construction-and-extraction/electricians.htm#tab-1

Northern Ohio Independent Electrical Contractors Association

<https://iecnorthernohio.org/apprenticeship/>