



POWERING YOUR FUTURE



INDEPENDENT ELECTRICAL
CONTRACTORS

JOIN THE IEC
APPRENTICESHIP
PROGRAM

POWERING YOUR CAREER

Start your future as an electrician today.

As an electrician, you control your destiny. Your powerful career puts cutting-edge technology in your hands and places you in one of America's most in-demand occupations. As our reliance on energy sources rises, so does the need for skilled electricians.

As your career grows, you will have unlimited career paths to choose from. What inspires you? Leading a team? Owning a company? Working on complex construction projects? You have the **POWER** to build the exciting future of your dreams.



I didn't know what I wanted to do, I just knew I loved math. My teachers were great. In 9 months I learned a lot."

DESHAWNE AYTCH, IEC CHESAPEAKE

WHAT DO ELECTRICIANS DO?

Here's a quick look at what electricians actually do day-to-day. The electrical profession is always expanding to new areas and is an essential occupation, meaning job security into the future.

Electricians install, maintain, and repair electrical power, communications, lighting, and control systems in homes, businesses, and factories.

DUTIES

- **Read blueprints** or technical diagrams
- **Install and maintain** wiring, control, and lighting systems
- **Inspect electrical components**, such as transformers and circuit breakers
- **Identify electrical problems** using a variety of testing devices
- **Repair or replace** wiring, equipment, or fixtures using hand tools and power tools
- **Follow state and local building regulations** based on the National Electrical Code
- **Direct and train workers** to install, maintain, or repair electrical wiring or equipment





LEARN MORE at the U.S. Bureau of Labor Statistics website:
[bls.gov/ooh/construction-and-extraction/electricians.htm](https://www.bls.gov/ooh/construction-and-extraction/electricians.htm)

Almost every building has an electrical power, communications, lighting, and control system that is installed during construction and maintained after that. These systems power the lights, appliances, and equipment that make people's lives and jobs easier and more comfortable.

Installing electrical systems in newly constructed buildings is often less complicated than maintaining equipment in existing buildings because electrical wiring is more easily accessible during construction. Maintaining equipment and systems involves identifying problems and repairing broken equipment that is sometimes difficult to reach. Maintenance work may include fixing or replacing parts, light fixtures, control systems, motors, and other types of electrical equipment.

Electricians read blueprints, which include technical diagrams of electrical systems that show the location of circuits, outlets, and

other equipment. They use different types of hand tools and power tools, such as conduit benders, to run and protect wiring. Other commonly used tools include screwdrivers, wire strippers, drills, and saws. While troubleshooting, electricians also may use ammeters, voltmeters, thermal scanners, and cable testers to find problems and ensure that components are working properly.

Many electricians work alone, but sometimes they collaborate with others. For example, experienced electricians may work with building engineers and architects to help design electrical systems for new construction. Some electricians may also consult with other construction specialists, such as elevator installers and heating and air conditioning workers, to help install or maintain electrical or power systems. Electricians employed by large companies are likely to work as part of a crew; they may direct helpers and apprentices to complete jobs.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Electricians, on the Internet at <https://www.bls.gov/ooh/construction-and-extraction/electricians.htm>

WHY BECOME AN ELECTRICIAN?



ELECTRICAL JOB DEMAND OUTLOOK: 2X

The demand for electricians is **DOUBLE** the average demand for all other jobs.



AVERAGE ELECTRICIAN SALARY: \$56,180

Average salary for other careers: **\$39,810**



STUDENT LOAN DEBT UPON GRADUATION:

Average college student: **\$32,731**

IEC Student Loan Debt: \$0



TYPICAL ENTRY-LEVEL EDUCATION: High school diploma or equivalent

APPRENTICESHIP TRAINING

576 HOURS OF CLASSROOM TRAINING

8,000 HOURS OF ON-THE-JOB TRAINING



WORK EXPERIENCE IN A RELATED OCCUPATION: None



NUMBER OF JOBS (2019): 739,200



ON-THE-JOB TRAINING: Apprenticeship



JOB OUTLOOK (2019-2029): 8% (much faster than average)

POTENTIAL BENEFITS

- ✓ Paid Apprenticeship
- ✓ Paid Vacation & Holidays
- ✓ Health Benefits
- ✓ Performance Incentives
- ✓ Retirement plan
- ✓ Education
- ✓ College Accredited Hours
- ✓ Rewarding & Essential Career
- ✓ \$0 College Debt



“The amount I’ve learned in the three years I’ve been doing this is phenomenal. It’s a trade I’ll have for the rest of my life.”

CAMERON KING,
MID-SOUTH IEC

THE IEC APPRENTICESHIP PROGRAM

EARN WHILE YOU LEARN

As an IEC electrical apprentice, you'll be earning a great wage while working on exciting projects with a contracting company during the day and enhancing your on-the-job learning with IEC instruction in the classroom.

At your local IEC Training Center, you'll learn from America's leading professional instructors from the industry's best electrical curriculum. You'll enrich your learning with a hands-on, interactive experience in our state-of-the-art laboratories. As you build your skills with IEC, you advance in your career.

IEC electrical contractors invest in our apprentices and want them to excel in the trade. They believe in the merit shop philosophy, providing growth and merit opportunities to individuals that put in their all. A career with an IEC contractor is the true American Dream.

WHAT MAKES THE IEC APPRENTICESHIP PROGRAM THE BEST?



EARN WHILE YOU LEARN

Get paid while you learn. You'll get on-the-job training with an IEC contractor during the day and attend classroom and hands-on instruction in the evening.



NO STUDENT LOANS!

The cost of your classroom education is often shared by your employer or covered by state funding.



U.S. DEPARTMENT OF LABOR RECOGNITION

IEC's program is recognized by the U.S. Department of Labor's Bureau of Apprenticeship & Training, making it an approved program with nationwide credentials.



NATIONWIDE TRAINING LOCATIONS

Benefit from more than 70 training locations around the U.S. Training fits into your lifestyle.



EARN COLLEGE CREDIT

Put your training to work for you. When you finish your four-year training program, you'll qualify for 41 college credits through the American Council on Education, making a college degree more affordable and less time consuming.



TOP-NOTCH CURRICULUM

The IEC Apprenticeship Curriculum is recognized as one of the best teaching tools for electrical apprentices in the nation.



WHAT HAPPENS WHEN I GRADUATE FROM THE PROGRAM?

The direction your career takes after you've been trained is entirely up to you. Here are just some of the career paths you can follow after apprenticeship.

Apprentice Electrician

(Salary range: 1st year up to \$33K, 2nd year up to \$40K, 3rd year up to \$44K, 4th year up to \$48K)

- Mentored by Experienced Electricians & Foreman
- Installs Electrical Equipment & Systems
- Progressive Level of Responsibility
- Attend IEC Apprenticeship Training
- Earn While You Learn
- Earn College Credit
- Promotes Safe Working Environment

Journeyman Electrician/ Master Electrician

(Salary range up to \$68K)

- Mentors Apprentices and Leads Smaller Crews
- Working Knowledge of Codes
- Troubleshooting
- Interprets Blueprints and Determines Layouts
- Promotes Company Policies & Goals
- Installs Electrical Equipment/Low-voltage systems/Solar/Limited Energy
- Promotes Safe Working Environment

Foreman

(Salary range up to \$100K)

- Labor Supervision/ Performance Evaluation
- Project Planning & Layout
- Manages Productivity of Project
- Coordinates with Project Team, General Contractor, Trades & Utilities, Safety Manager
- Mentoring
- Working Knowledge of Codes
- Promotes Safe Working Environment
- Responsible for Tools & Materials
- Schedule Maintenance
- Promotes Company Policies & Goals

Safety Manager

(Salary range up to \$125K)

- Safety Training Facilitator
- Jobsite Inspections
- OSHA Compliance
- Risk Management
- Creates safety policies and procedures
- Promotes Safe Working Environment

Field Superintendent

(Salary range up to \$125K)

- Multiple Project Supervision
- Mentoring
- Manpower Scheduling & Projections
- Equipment Management
- Liaison Between Office & Field

Project Management

(Salary range up to \$150K)

- Project Cost Manager
- Scheduling
- Relationship-building
- Project Collaboration with Other Trades
- Purchasing

IEC Leadership

(Salary range up to \$150K)

- Executive Director
- Lead Instructor
- Marketing Director
- Recruiting Director
- Education & Training Director
- Liaison to Community and Schools

Estimating & Pre-Construction

(Salary range up to \$125K)

- Autocad drafting/BIM modeling/ Pre-manufacturing modeling
- Cost proposals
- Design build
- Software applications

Administration

(Salary range up to \$175K)

- Payroll
- Accounts Payable/Receivable
- Contract Administration
- Controller
- Business Forecasting
- HR/Benefits Manager
- Sales Support
- Workforce Manager
- Office Manager
- C-Suite

Owner

(Salary: Unlimited Potential)

- Master Electrician
- Electrical Contractor
- Entrepreneurship
- Marketing & Sales



POWERING YOU FORWARD

GET TO KNOW IEC

IEC'S MISSION

IEC strives to enhance the success of independent electrical contractors by developing a more professional workforce, communicating clearly with government, promoting ethical business practices, and providing leadership.

Founded in 1957 as the Associated Independent Electrical Contractors of America, the organization's primary goal was to consider and deal with, by all lawful means, the common problems of management, distribution, employment, and financial systems of the electrical construction industry; to foster cooperative action in advancing the common purposes of its members; and to promote activities that enable the industry to proceed with the greatest economy and efficiency.

The association's first offices were located in Texas, and in 1962, IEC was granted a certificate of incorporation. IEC convinced the U.S. Department of Labor to adopt national pattern standards of Apprenticeship and Training, and for the first time, registered apprenticeship was recognized across the country for those adopting the "Open Shop" philosophy.

IEC has now grown into an influential 52-chapter association representing more than 3,600 company members and nearly 80,000 electrical workers. IEC has expanded its alliance to include nearly 14,000 apprentices who are in the process of learning to become prominent and productive electricians.

IEC will continue to expand its services to members as well as be a strong voice for independent electrical and systems contractors on the many issues affecting the industry.

IEC FACTS AT A GLANCE

- IEC is headquartered in Arlington, Virginia
- IEC is a national trade association for merit shop electrical contractors and industry professionals
- IEC was created by contractors to serve a vital purpose
 - Develop a national, standardized curriculum
 - Advocate for independent electrical contractors
 - Leverage/share resources and knowledge
- The IEC National Network
 - Creates a cohesive structure and a unified network and message
 - Enhances the credibility of chapters and members
 - Provides a solid foundation to withstand pressures from outside threats and initiates nationally organized movements





IEC'S CORE VALUES & MEMBERSHIP BENEFITS

CORE VALUES AMONG IEC MEMBERS

- Promote the merit shop philosophy
- Expect the highest level of ethical behavior, integrity, and professionalism
- Commit to lifetime learning
- Desire a better educated workforce
- Embrace changes in the market with opportunity in mind
- Promote business growth
- Promote safe workplace practices
- Increase profits



MEMBERSHIP BENEFITS

IEC has partnered with over 3,000 businesses to save our members money and provide them with valuable resources.

- Apprenticeship & Training
- Shared Workforce Program
- Forum Groups
- Business Discount Programs
- Project Management Institute
- CEU Credits
- NEC Code Panels
- Government Affairs Representation



CONTINUING EDUCATION

The IEC Training Advantage keeps our members up-to-date on the latest trends and best practices of the electrical industry, and encourages them to engage in lifelong learning.

- Theory
- Code
- Motor Control
- Blueprint
- Leadership
- Electrical Learning



ADVOCACY PROGRAM AND ISSUES

- **Codes & Standards** – IEC is represented on all NFPA code panels
- **Legislative Affairs** – IEC is focused on National Labor Relations Board (NLRB) issues, labor issues, and more
- **Regulatory Affairs** – IEC has direct influence with the U.S. Department of Labor, NLRB, and other key groups



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