Electricians install, maintain, and repair electrical power, lighting, and electrical control systems in homes, businesses, and factories. They may also install or service street lights and intercom systems. Most electricians learn their trade in a 4- or 5-year apprenticeship program. For each year of the program, apprentices typically receive 2,000 hours of paid on-the-job training as well as some classroom instruction. Key duties include: reading blueprints or technical diagrams, repairing or replacing wiring, equipment, or fixtures using hand tools and power tools, and inspecting electrical components, such as transformers and circuit breakers.

WHAT SKILLS & TRAINING ARE NEEDED?

**SOFT SKILLS:**
- Must be able to find, diagnose, and repair problems (Critical-thinking and troubleshooting).
- Must be able to move around all day and must be strong enough to move heavy components (Physical stamina and strength).
- Must be able to identify complex problems, analyze them, and solve them (Problem-solving).
- Must be able to develop specific goals and plans to prioritize, organize, and accomplish your work (Planning and organization).

**TECHNICAL AND ACADEMIC SKILLS:**
- High school diploma or equivalent
- May require certification/licensing
- Knowledge of safety practices, electrical codes, and building regulations

HOW DO I KNOW IF THIS IS A GOOD FIT FOR ME?
- You enjoy working with your hands and/or working with tools.
- You enjoy figuring out how something works.
- You are neat and tidy.

WHERE CAN I FIND TRAINING?

- DELGADO COMMUNITY COLLEGE
- NORTHSHORE TECHNICAL COMMUNITY COLLEGE
- NUNEZ COMMUNITY COLLEGE
- IBEW (INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS) LOCAL UNION 130

HOW MUCH WILL I BE PAID PER HOUR?

- **$15.48** Entry Level
- **$23.25** Typical
- **$33.23** Experienced
Commercial Electrical Maintenance Technician
$14-33/hour
High School Diploma/GED

Apprentice Electrician
$15-17/hour
High School Diploma/GED

Journeyman
$18-23/hour
4-5 years of on-the-job training

Power Plant Operators
$20-33/hour
On-the-job training

Electrical and Electronics Engineering Technicians
$18-26/hour
AS

Electrical and Electronic Engineer
$30-42/hour
BS

Master Electrician
$28-33/hour
Electrical Contractor License

Electrician
$15-33/hour
Jumpstart-aligned credential
NCCER Electrical Level 1 Basic

0-5 Years

5-10 Years

GLOSSARY OF TERMS

AAS – Associate of Applied Science, two-year college degree
AS – Associate of Science, two-year college degree
BS – Bachelor of Science, four-year college degree