

# CONSTRUCTION ELECTRICITY

2021-2022



**Construction Electricity** provides students with the skills required for successful employment in electrical construction positions. Students develop the concepts, knowledge, and skills that are applicable to many other construction occupations.

**Program Highlights:**

- Design and install commercial and residential power systems from “rough in” to “finish”
- Power advanced motor controls while utilizing specialized tools and equipment
- Work with professional electricians on commercial, residential and community projects

**The Program Focuses on the Following State Approved Courses:**

- Construction Technology - Core and Sustainable Construction
- Residential Electrical Systems
- Construction Electrical Systems
- Plan Reading



**COST-FREE COLLEGE CREDIT OPPORTUNITIES**

**College Credit Plus through Owens Community College**

- SKT 131: Electrical Prints (3 Credit Hours)
- SKT 171: Electricity: DC Principles (3 Credit Hours)
- SKT 172: Electricity: Mag/DC Motors/Gen (2 Credit Hours)
- SKT 174: Electricity: AC Principles (3 Credit Hours)
- SKT 175: Electricity: Electrical Applications (3 Credit Hours)
- SKT 184: National Electrical Code (3 Credit Hours)

**Career Technical Assurance Guides (CTAGs)**

- CTS001: OSHA 10-Hour Safety (1 Credit Hour)

**Articulated Credits through Hocking College – 6 Credit Hours**

**INDUSTRY-RECOGNIZED CREDENTIALS (POINT VALUES)**

- Ohio State Apprenticeship Council Recognized Pre-apprenticeship Program Certificate of Completion (12 Points)
- Electrical Training Alliance Interim Credential (12 Points)
- NCCER Core (6 Points)
- EPA Painters, Repair, Renovation Certificate (4 Points)
- OSHA 10-Hour Training (1 Point)

**OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY**

OCCUPATION TITLE	TYPICAL SALARY-BOTTOM 10%	TYPICAL SALARY-MEDIAN	TYPICAL SALARY-TOP 10%	TYPICAL EDUCATION	ANNUAL JOB OPENINGS
Electricians*	\$31,010	\$53,490	\$81,070	HS Diploma or Equivalent	3,500
Electrical and Electronic Engineering Technologists and Technicians*	\$38,960	\$65,240	\$86,130	Associate’s Degree	270
First-Line Supervisors of Construction Trades and Extraction Workers*	\$45,280	\$68,200	\$101,270	HS Diploma or Equivalent	1,840
Electrical Power-Line Installers and Repairers	\$48,450	\$75,350	\$97,730	HS Diploma or Equivalent	280
Construction Managers*	\$55,020	\$93,280	\$179,110	Bachelor’s Degree	1,260
Electrical Engineers*	\$55,040	\$86,080	\$129,460	Bachelor’s Degree	500

**JOB OUTLOOK COMPILED BY OHIO MEANS JOBS AS OF SEPTEMBER 2021; VISIT OHIOMEANSJOBS.COM FOR MORE INFORMATION.**

\*Denotes an In-Demand Occupation in the State of Ohio

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**TECHNICAL CAREERS**

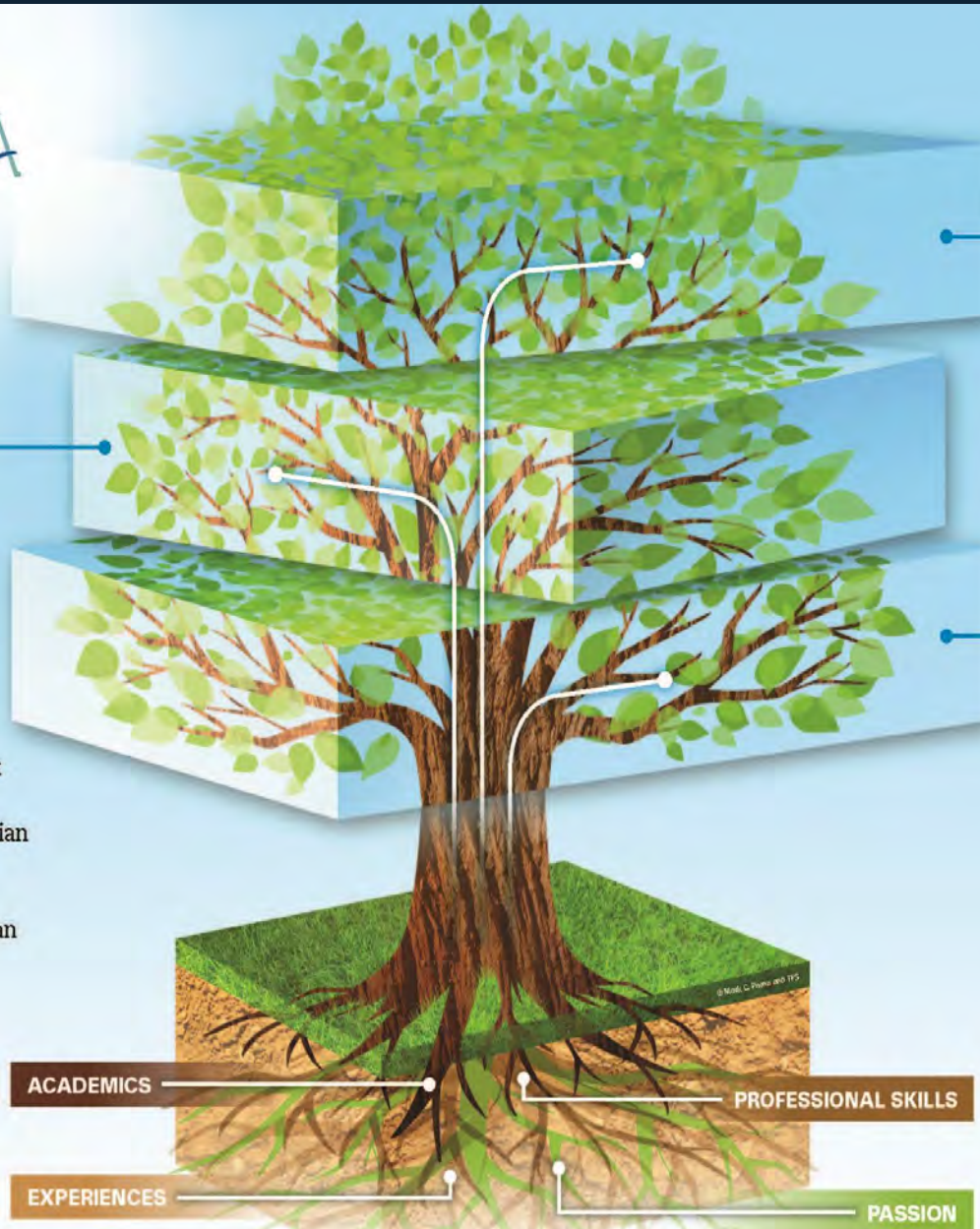
- Master Electrician – Residential & Commercial
- Journeyman Electrician – Residential & Commercial
- Low Voltage System Technician – Fire & Security
- Business Owner
- Job Foreman
- Marine Electrician
- Industrial Control Specialist
- Electrical Estimator
- Maintenance Facility Electrician
- Instrumentation Installer
- Theme Park Electrician
- Aviation/Aerospace Electrician

**PROFESSIONAL CAREERS**

- Electrical Engineer
- Electrical System Project Designer
- Project Manager
- Electrical Inspector
- Home Automation Installer
- System Integrator
- Renewable Energy System Designer
- Power Plant Electrician
- Utility System Infrastructure Designer
- Electrical Designer/Architect
- Electrical Instructor
- Nuclear Engineer

**ENTRY-LEVEL CAREERS**

- Apprentice Electrician
- Apprentice Fire Alarm Technician
- Apprentice Security System Installer
- Cable Television Installer
- Telecommunications Wire Puller
- Customer Service/Sales Representative
- Material and Equipment Managers
- Office Managers
- Utility Workers
- Manufacturer's Representative
- Material and Equipment Delivery Person
- Electrical Meter Reader



**CONSTRUCTION ELECTRICITY**



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