

Commercial & Residential Electricity



Diamond Oaks
Scarlet Oaks



MORE INFO
[greatoaks.com/
electricity](https://greatoaks.com/electricity)



Skills recommended to be successful in this career pathway:

ARCHITECTURE & CONSTRUCTION CAREER CLUSTER

ESSENTIAL SKILLS



Oral communication



Written communication



Physical strength/mobility



Safety awareness



Visual acuity/depth perception



Perceptual speed/clerical & auditory perception



Reasoning skills/mechanical aptitude



Eye/hand/arm coordination/manual dexterity

ACADEMIC SKILLS



MATHEMATICS

- Measure and use fractions
- Use algebraic equations (Ohm's Law)
- Work with decimals and percentages



WORKPLACE DOCUMENTS

- Use/understand electrical terminology
- Follow National Electrical Code standards
- Understand written work orders



GRAPHIC LITERACY

- Read/understand blueprints
- Follow wiring schematics
- Use graphic instructions

DID YOU KNOW STUDENTS IN THIS PROGRAM...

- * Learn about the field of commercial and residential electricity
- * Use various hand and power tools
- * Complete a wide range of installation projects in lab
- * Maintain high academic standards to go on placement
- * Work in different environments and various weather conditions
- * Experience working with other trade professionals
- * Frequently work around loud noises, at various heights, and in confined spaces
- * Connect with local electrical contracting business owners and managers



COURSES



**YEAR
1**

- Core and Sustainable Construction
- Residential Electrical Systems



**YEAR
2**

- Construction and Electrical Systems
- Commercial and Industrial Construction Electrical Systems



VIEW Great Oaks
Course Guide
[greatoaks.com/
course-guide](https://greatoaks.com/course-guide)

**Courses subject to change.*

Commercial & Residential Electricity

IS THIS YOU?



Find your work personality type with this free assessment at truity.com:



Holland's Model of Occupational Themes – graphic courtesy of the University of Tennessee.

Realistic | Investigative

Realistic personality types are “doers;” they like doing something, as opposed to talking or thinking about it. They like to solve problems in the real world. They are practical, independent, assertive, competitive, and interested in activities that require motor coordination, skill, and strength. Doers with a secondary personality type of “investigative” have the particular desire to solve problems based on research.

Key strengths that lead to success in this career path

- ✓ Dependability
- ✓ Attention to detail
- ✓ Integrity
- ✓ Analytical thinking
- ✓ Initiative
- ✓ Leadership

WORK-BASED LEARNING OPPORTUNITIES

- ▶ Job shadowing
- ▶ Job placement
- ▶ Guest speakers
- ▶ Field trips to work sites

COLLEGE & CAREER READY

Career Credentials

- Manlift Operation
- NCCER Core
- NCCER Level 1 – Electricity
- NCCER Level 2 – Electricity
- OSHA 10 – Construction
- Pre-Apprenticeship Electrical
- CPR/First Aid



For more information, visit ohiohighered.org

CAREER PATHWAYS

After earning credentials, get more education and experience to



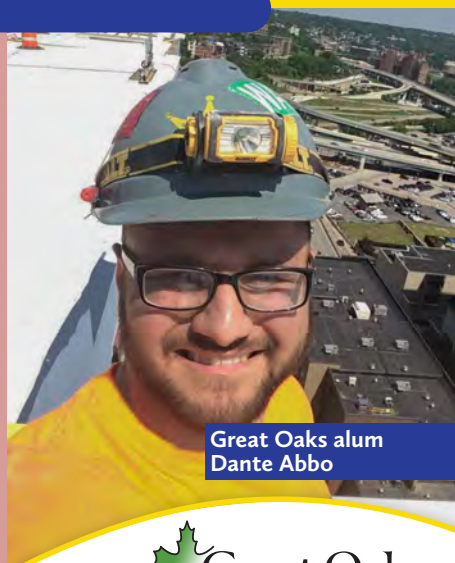
- ▶▶ Electrical apprentice
- ▶▶ Supply house worker
- ▶▶ Electrical journeyman
- ▶▶ Electrician
- ▶▶ Lineman
- ▶▶ Estimator
- ▶▶ Project manager
- ▶▶ Electrical engineer



VIEW Essential Skills Guides
greatoaks.com/essential-skills

Entry-level pay range in Ohio

\$17 - 39
per hour



Great Oaks alum
Dante Abbo