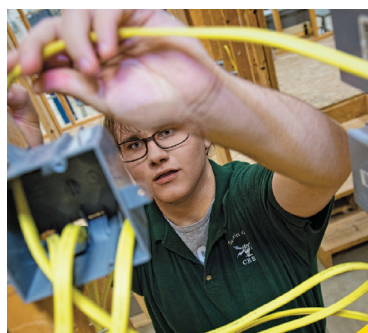


Commercial & Residential Electricity

greatoaks.com/electricity



Commercial & Residential Electricity

Available at: Diamond, Scarlet

COURSES

Construction Technology Core & Sustainable Construction

Students will learn principles in basic safety (10-hr OSHA), construction math, hand and power tool care and operation, blueprint reading, material handling, communication and employability skills. An emphasis will be placed on safe and green construction practices.

Residential Electrical Systems

This course will emphasize electrical theory, materials, equipment and general methods used in residential construction. Students will navigate the National Electrical Code, learn worksite safety and understand licensing and permitting requirements. They will interpret plans and job specifications and calculate loads and service requirements. Students will install, test and repair receptacle outlets, lighting and small appliance circuits. They will understand circuit protection concepts and install a subpanel. Specialty circuit installation will be addressed.

Construction Electrical Systems

This introductory electrical course will emphasize electrical theory, materials, and equipment. Students will explore the National Electrical Code and learn worksite safety. They will interpret schematics, construct basic circuits, and use test equipment and electrical hand and power tools.

Commercial and Industrial Construction Electrical Systems

Students will plan and install electrical systems in commercial settings. Students will learn worksite safety and understand permitting requirements. Students will interpret plans and job specifications and calculate loads and service requirements. Students will install, test and repair receptacle outlet, lighting and equipment circuits. They will understand circuit protection concepts and be able to install an entrance panel. Specialty commercial circuit installation will be addressed. Students will apply operating principles to the installation and troubleshooting of motors and controls.

CREDENTIALS YOU CAN EARN

- NCCER Core
- NCCER Level 1 –Electricity
- NCCER Level 2 –Electricity
- Man-lift Operations
- OSHA 10 Construction Industry
- CPR/ First Aid

INSTRUCTORS

- Diamond Oaks: Greg Chambers – chamberg@greatoaks.com
- Scarlet Oaks: Laurel Ely – elyl@greatoaks.com