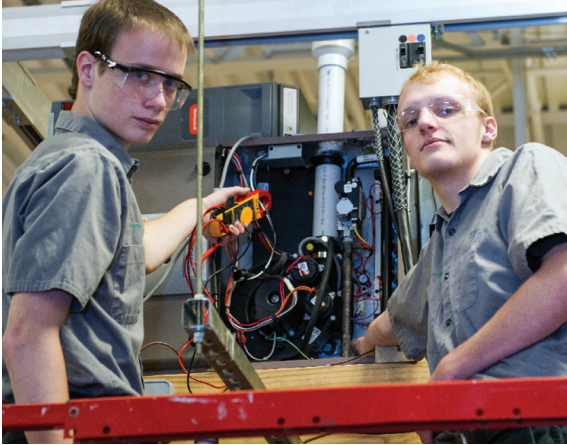


Heating, Ventilating & Air Conditioning

greatoaks.com/hvac



Heating, Ventilating & Air Conditioning

Available at: Diamond, Live

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.

Mechanical, Electrical and Plumbing Systems

Students learn physical principles and fundamental skills across mechanical systems in construction. Students will select materials and assemble and test basic electrical circuits. Students will select materials and assemble simple copper and plastic plumbing applications for both supply and drains. They will perform simple maintenance of electric motors, electric fixtures and plumbing fixtures. Students will be able to select and install basic ductwork components and learn the operation and maintenance of heating and cooling equipment.

Heating and Cooling Systems

Students will apply principles of heating and cooling to the installation, troubleshooting and maintenance of residential and commercial heating, ventilation, and air conditioning/refrigeration (HVAC/R) systems.

HVAC Refrigeration

Students will install, troubleshoot and service residential and commercial refrigeration systems. Students will learn laws of thermodynamics, pressure and temperature relationships, the refrigeration cycle, and refrigerant management. Students will address hydronic systems, chilled water systems, package units, and cooling towers.

CREDENTIALS YOU CAN EARN

- EPA 608 Refrigerant License: Refrigerant Recovery Core + Level 1, Level 2, Level 3
- EPA 608 Universal Refrigerant License
- NCCER Core
- NCCER Level 1 and 2, Heating, Ventilation and Air Conditioning
- Industrial Forklift Operations
- Aerial Lift Certification
- OSHA 10 Construction Industry
- CPR/First Aid

INSTRUCTORS

- Diamond Oaks: Rick Gillenwater – gillenwr@greatoaks.com
- Live Oaks: Brad O'Donnell – odonnellb@greatoaks.com