

# Heating, Ventilating & Air Conditioning



Diamond Oaks  
Laurel Oaks  
Live Oaks



**MORE INFO**  
[greatoaks.com/hvac](http://greatoaks.com/hvac)



Skills recommended to be successful in this career pathway:

## CONSTRUCTION TECHNOLOGIES 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



#### APPLIED MATHEMATICS

- Use geometry for calculations
- Measure, use fractions and work with angles
- Know how to use formulas



#### WORKPLACE DOCUMENTS

- Explain job quotes/estimates
- Read equipment manuals
- Follow safety permits/checklists



#### GRAPHIC LITERACY

- Interpret blueprint drawings
- Use pressure/temperature/super heat charts
- Follow safety data sheets

### DID YOU KNOW STUDENTS IN THIS PROGRAM...

- \* Use practical math to solve problems on job
- \* Work with various types of construction equipment and tools
- \* Understand hazards of working around various types of equipment
- \* Work in all types of weather
- \* Maintain constant awareness of surroundings
- \* Be knowledgeable about electrical theory
- \* Frequently lift items over 50 pounds
- \* Work alongside skilled trades people
- \* Maintain a safe and organized work environment
- \* Communicate and explain information to customers



### COURSES



**YEAR 1**

- Core and Sustainable Construction
- Mechanical, Electrical and Plumbing Systems



**YEAR 2**

- Heating Ventilating and Air Conditioning Refrigeration
- Heating and Cooling Systems



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

*\*Courses subject to change.*

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## IS THIS YOU?



Find your work personality type with this free assessment at [truity.com](https://truity.com):



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

## Realistic | Conventional

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 “conventional” like to work in organized, independent, and structured environments.

### Key strengths that lead to success in this career path

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

## WORK-BASED LEARNING OPPORTUNITIES

- ▶ Job shadowing
- ▶ Job placement
- ▶ Guest speakers
- ▶ Field trips
- ▶ Professionals come to lab for training

## CAREER & COLLEGE READY

### Career Credentials

- OSHA 10 – Construction
- NCCER Core
- EPA 608 Type I
- EPA 608 Type II
- EPA 608 Type III
- EPA 608 Universal
- Manlift Operation
- CPR/First Aid



For more information, visit [ohiohighered.org](https://ohiohighered.org)

## CAREER PATHWAYS

After earning credentials, get more education and experience to



- ▶▶ Apprentice
- ▶▶ HVAC technician
- ▶▶ Supply house
- ▶▶ Field supervisor
- ▶▶ Designer/drafter
- ▶▶ Foreman
- ▶▶ Salesperson
- ▶▶ Engineer



VIEW Essential Skills Guides  
[greatoaks.com/essential-skills](https://greatoaks.com/essential-skills)

Entry-level pay range in Ohio

**\$15 - 34**  
per hour



Great Oaks alum  
Chase Courtney