

Construction Technologies



Diamond Oaks
Laurel Oaks
Scarlet Oaks



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



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



APPLIED MATHEMATICS

- Use geometry for calculations
- Measure/use fractions and work with angles
- Create project budgets



WORKPLACE DOCUMENTS

- Read contracts/change orders
- Understand building codes
- Follow installation instructions



GRAPHIC LITERACY

- Interpret blueprint drawings
- Use punch-out lists
- Visualize plans in multiple dimensions

DID YOU KNOW STUDENTS IN THIS PROGRAM...

- * Use practical math to solve problems on job
- * Work with various types of equipment and tools
- * Understand hazards of working around equipment
- * Work in all types of weather
- * Maintain constant awareness of surroundings
- * Have knowledge of construction materials

- * Frequently lift items more than 50 pounds
- * Rely on hand/foot/eye coordination to operate equipment
- * Maintain a safe and organized work environment
- * Must pass a pre-employment drug screen test for many jobs



COURSES



**YEAR
1**

- Core and Sustainable Construction
- Remodeling/Renovation
- Principles of Wood Construction



**YEAR
2**

- Structural Systems
- Construction Capstone



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

**Courses subject to change.*

Construction Technologies

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 | 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
- ✓ Dependability
- ✓ Cooperation
- ✓ Integrity
- ✓ Stress tolerance
- ✓ Concern for others

WORK-BASED LEARNING OPPORTUNITIES

- ▶ Job placement
- ▶ Job shadowing
- ▶ Guest speakers
- ▶ Field trips
- ▶ Community-based customer projects in lab

COLLEGE & CAREER READY

Career Credentials

- CITF Career Connections Certificate – Level 1
- CITF Career Connections Certificate – Level 2
- CITF Career Connections Certificate – Level 3
- Manlift Operation
- Forklift Industrial
- Ohio State Apprenticeship Council Pre-Apprenticeship Program Certificate of Completion
- OSHA 10 – Construction
- CPR/First Aid



For more information, visit ohiohighered.org

CAREER PATHWAYS

After earning credentials, get more education and experience to

- ▶▶ Laborer
- ▶▶ Carpentry subcontractor
- ▶▶ Building inspector
- ▶▶ Cabinet maker
- ▶▶ Equipment operator
- ▶▶ Foreman
- ▶▶ Construction superintendent



VIEW Essential Skills Guides
greatoaks.com/essential-skills

Entry-level pay range in Ohio

\$14 - 36
per hour



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