Construction Technologies







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

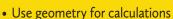


Eye/hand/arm coordination/manual dexterity

ACADEMIC SKILLS



APPLIED MATHEMATICS



- 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



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



- Structural Systems
- Construction Capstone



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*Courses subject to change.



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

WORK-BASED LEARNING OPPORTUNITIES

- ▶ Job placement
- Guest speakers
- Job shadowing
- ► 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



VIEW Essential Skills Guides greatoaks.com/ essential-skills

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

Entry-level pay range in Ohio

S14 - 36 per hour



Diamond • Laurel • Live • Scarlet









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