

Construction Technologies

greatoaks.com/constructiontech



Construction Technologies

Available at: Laurel

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.

Structural Systems

Students will learn procedures and techniques required for layout and framing of walls and ceilings, including roughing-in door and window openings, constructing corners and partitions, bracing walls and ceilings, and applying sheathing. Students will learn methods of roofing, cold formed steel, and wood stair framing. Students will learn site and personal safety, material properties, design procedures, and code requirements for structural systems.

Structural Coverings and Finishes

This course will address applications of interior and exterior finish work. Students will identify material properties and select for appropriate application. Students will install thermal and moisture protection including roofing, siding, fascia and soffits, gutters, and louvers. Students will install drywall, trim-joinery and molding and apply wall, floor and ceiling coverings and finishes. Throughout the course, the safe handling of materials, personal safety, prevention of accidents and the mitigation of hazards are emphasized.

Principles of Wood Construction

Students will engage in the introductory skills utilized in working with various wood construction materials. They will learn to use basic measuring tools, hand tools and machines, common to the wood industry, to construct basic projects. Additionally, students will examine various wood construction materials and their properties. Throughout the course, students will learn components of site and personal safety.

CREDENTIALS YOU CAN EARN

- Ohio State Apprenticeship Council Pre-Apprenticeship Program
- Industrial Forklift Operations
- Skid Steer Operations
- OSHA 10 Construction Industry
- Career Connections Certificate - Levels I, II, and III
- CPR/First Aid

INSTRUCTOR

- Laurel Oaks: Joe Jones – jonesj@greatoaks.com