

Building Construction CTE Program

Architecture, Construction, and Manufacturing

Course Code: TBD

1 Credit

Prerequisite: None

Course Fee: \$25

Architecture, Construction, and Manufacturing is the foundation course for the Architecture and Construction career cluster. Course content provides students with an overview of the Building Construction program. Students will be engaged in challenging curricula and develop technical skills in the areas of safety, related mathematics, usage of hand and power tools, blueprint reading, basic rigging, and basic employability skills. This course utilizes curriculum through NCCER.

Construction Framing

Course Code: TBD

1 Credit

Prerequisite: Architecture, Construction, and Manufacturing

Course Fee: \$25

This course is designed to complete all core requirements for NCCER Core Credentialing and to facilitate students' understanding of the framing components of typical structures. Emphasis is placed on safety, floor systems, wall and ceiling framing, stair construction, and roof framing.

Site Preparation

Course Code: TBD

1 Credit

Prerequisite: Architecture, Construction, and Manufacturing

Course Fee: \$25

Site Preparation is a course designed to facilitate student understanding of the initial phases of construction. Topics include types of structures, developmental and planning phases of construction, building code regulations, site selection, layout, site work, site utilities, types of foundations, basic concrete and masonry skills and applications.

Construction Finishing

Course Code: TBD

1 Credit

Prerequisite: Architecture, Construction, and Manufacturing

Course Fee: \$25

This course is designed to facilitate student understanding of the exterior and interior finishing phases of construction. Topics include safety, window and door installation, plumbing, electrical, insulation, wall coverings, storage and finishes.