

Building Construction CTE Program

Architecture, Construction, and Manufacturing

Course Code:	1 Credit
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Prerequisite: None	Course Fee: \$25
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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, application of hand and power tools, analyzing and interpreting construction drawings and specifications, analysis of related technical documents, basic rigging, and basic employability skills. This course utilizes NCCER curriculum.

Construction Framing

Course Code:	1 Credit
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Prerequisite: Architecture, Construction, and Manufacturing	Course Fee: \$25
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This course is designed to complete all requirements for NCCER Core Credentialing and to facilitate students' understanding of the framing components of typical structures. Emphasis is placed on safety, career exploration as it relates to carpentry, floor systems, wall and ceiling framing, stair construction, and roof framing.

Construction Finishing

Course Code:	1 Credit
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Prerequisite: Architecture, Construction, and Manufacturing	Course Fee: \$25
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This course is designed to facilitate student understanding of the exterior and interior finishing phases of construction. This covers virtually all processes that follow the structural elements of a project. Topics include safety, career exploration, window and door installation, plumbing, electrical, insulation, wall coverings, storage, and finishes.

Computer Numerically Controlled (CNC) Wood Technology 1

Course Code:	1 Credit
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Prerequisite: Architecture, Construction, and Manufacturing	Course Fee: \$25
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This course is designed to develop skills and knowledge of wood technology manufacturing processes and job opportunities for students who are considering careers in the construction and/or engineering fields. Topics include CAD/CAM safety, mathematical concepts, computer proficiency, utilizing CAD/CAM software, and designing and creating two-dimensional and three-dimensional projects via computer numerical control operations.