

Architecture and Construction Career Cluster

The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment. Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management.

Carpentry Statewide Program of Study



The Carpentry program of study explores the occupations and educational opportunities related to constructing, installing, or repairing structures and fixtures made of wood, such as concrete forms (including frameworks, partitions, joists, studding, rafters, and stairways). This program of study may also include exploration into installing, dismantling, or moving machinery and heavy equipment according to layout plans, blueprints, or other drawings.

Secondary Courses for High School Credit

Level 1

- Principles of Architecture
 - 1 Semester at Ben Barber
 - 1819CT/9-12
- Principles of Construction
 - 1 Semester at Ben Barber
 - 1824CT/9-12
 - **NCCER Core Certification Possible**

Level 2

- Construction Technology I
 - 2 Semesters at Ben Barber
 - 1820 CA-CB/10-12
 - **Prerequisites: Principles of Construction**
 - **NCCER Core Certification Possible**

Level 3

- Construction Technology II
 - 2 Semesters at Ben Barber
 - 1825CA-CB/11-12
 - **Prerequisites: Construction Technology I**

Level 4

- Practicum in Construction Technology
 - 2 Semesters at Ben Barber
 - 1827CA-CB/12 only (E)
 - **Prerequisites: Construction Technology II**
 - Selection Process

Roadmap to Completer

Levels	Courses	
Level 1	1824CT Principles of Construction (1 Credit)	1819CT Principles of Architecture (1 Credit)
Level 2	1820CA-CB Construction Technology I (2 Credits)	
Level 3	1825CA-CB Construction Technology II (2 Credits)	
Level 4	1827CA-CB Practicum in Construction Technology (2 Credits)	

1 Semester Home Campus	2 Semester Home Campus	1 Semester Ben Barber	2 Semesters Ben Barber
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- Failure to follow the sequence of courses in the Roadmap to Completer could result in a student not meeting standards to be a CTE Completer in the program of study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Carpentry program of study will fulfill requirements of the Business and Industry endorsement.