

# 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

- Construction I

#### Level 2

- Construction II

#### Level 3

- Construction III #

#### Level 4

- Practicum in Construction #

**\*CTE Completer: 3 or more courses for 4 or more credits**

### Postsecondary Opportunities

#### Associates Degrees

- Carpentry/Carpenter
- Industrial Mechanics and Maintenance Technology

#### Bachelor's Degrees

- Construction Science

#### Master's, Doctoral, and Professional Degrees

- Construction Management

### Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"><li>• Shadow a carpenter</li><li>• Participate in SkillsUSA</li></ul>	<ul style="list-style-type: none"><li>• Obtain an NCCER certification in Carpentry</li></ul>

### Industry-Based Certifications

- NCCER Carpentry Level I
- NCCER Carpentry Level II



### Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Carpenters	\$35,922	5,031	26%
Cost Estimators	\$63,939	2,239	21%

FOR ADDITIONAL INFORMATION ON THE ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER, PLEASE CONTACT: [CTE@tea.texas.gov](mailto:CTE@tea.texas.gov) or LISD CTE Director, Teri Hodges, [HodgesTC@lisdeagles.net](mailto:HodgesTC@lisdeagles.net)  
<https://tea.texas.gov/cte>

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Further nondiscrimination information can be found at [Notification of Nondiscrimination in Career and Technical Education Programs](#).

# Carpentry Course Information

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Construction I	13004220 (1 credit)	None	None

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Construction II	13004210 (1 credits)	None	None

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Construction III	13005100 (2 credits)	None	None

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Practicum in Construction	13005200 (2 credits)	Construction Technology I	None