

# Architecture and Construction Career Cluster

The Architecture and Construction career cluster focuses on designing, planning, managing, building, and maintaining the built environment. This career cluster includes occupations ranging from architect, carpenter, and construction manager to electrician, plumber, and heating, air conditioning, and refrigeration technician.

## Statewide Program of Study: Masonry

The Masonry program of study focuses on occupational and educational opportunities related to laying and binding masonry brick, structural tile, concrete block, and other types of substances to construct or repair walls and other structures. The program includes raising and uniting iron or steel to form completed structures or structural frameworks and building structures using stone.

### Secondary Courses for High School Credit

- Level 1 † Principles of Architecture  
† Principles of Construction

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- Level 2 † Masonry Technology I  
† Entrepreneurship

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- Level 3 † Masonry Technology II

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- Level 4 † Practicum in Masonry Technology  
† Practicum in Masonry Technology + Extended Practicum in Masonry Technology  
† Practicum in Construction Technology  
† Practicum in Construction Technology + Extended Practicum in Construction Technology  
† Practicum in Entrepreneurship  
† Practicum in Entrepreneurship + Extended Practicum in Entrepreneurship  
† Career Preparation for Programs of Study  
† Career Preparation for Programs of Study + Extended Career Preparation

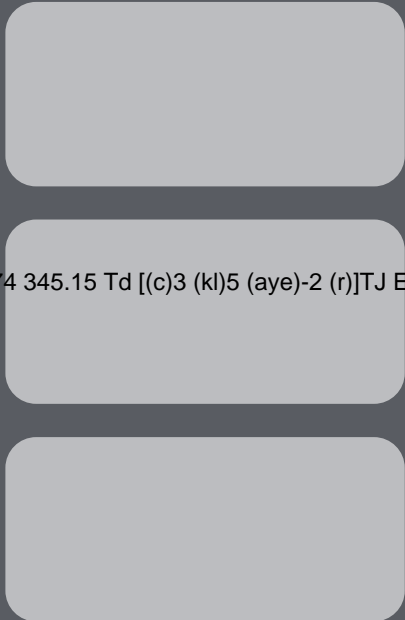
### Aligned Advanced Academic Courses

Dual Credit	Dual credit offerings will vary by local educational agency.
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Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

### Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> <li>† Shadow a tile and stone setter to learn about applying tile to walls, floors, ceilings, countertops, and roof decks</li> <li>† Participate in a pre-apprenticeship in the masonry industry to develop brick-laying or concrete-finishing skills</li> </ul>
Expanded Learning Opportunities	<ul style="list-style-type: none"> <li>† Participate in SkillsUS9.48 [69 (Bri)Tj 1 0 0 1 17.166 154.83 Tm 388.074 345.15 Td [(c)3 (kl)5 (aye)-2 (r)]TJ EMC /P &lt;&lt;/M</li> </ul>






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

## Statewide Program of Study: Masonry

### Course Information

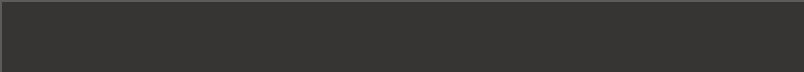
Level 1

Course	Prerequisites   Corequisites	Career Clusters
Principles of Architecture* 13004210 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
Principles of Construction* 13004220 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 

Level 2

Course	Prerequisites   Corequisites	Career Clusters
Masonry Technology I 13006300 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Construction Recommended Corequisites: None	
Entrepreneurship I* 13011101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Business, Marketing and Finance Recommended Corequisites: None	        

Level 3



## Course Information

Level 4

# Architecture and Construction Career Cluster

## Statewide Program of Study: Masonry

### Course Information

Level 4

Course	Prerequisites   Corequisites	Career Clusters
<p><b>Career Preparation for Programs of Study*</b>                      First Time Taken:                      12701121 (2 credits)</p>	<p>Prerequisites: At least one Level 2 or higher CTE course                      Corequisites: None                      Recommended Prerequisites: None                      Recommended Corequisites: None</p>	
<p><b>Career Preparation for Programs of Study + Extended Career Preparation*</b>                      First Time Taken:                      12701141 (3 credits)</p>	<p>Prerequisites: At least one Level 2 or higher CTE course                      Corequisites: Career Preparation for Programs of Study                      Recommended Prerequisites: None                      Recommended Corequisites: None</p>	