Architecture and Construction Career Ouster

The Architecture and Construction career cluster focuses on designing, planning, managing, building, and maintaining the built environment. This Green cluster includes occupations ranging from architects, carea

construction managers to electricians, plumbers, and heating, air conditioning, and refe

The HVAC and Sheet Metal program of study focuses on occupational and educational opportunities associated with installing, servicing, or repairing heating and air conditioning systems. The program of study addresses fabrication, assembly, installation, and repair of sheet metal r 2sa97 4 (anyT19.002 (and)-3es)5 ( equipmentd[(icing,such.002 (and)-3.00ase program 4.0002 (and (arch(icing, )4.002 (control) (study)-4.0

Level 1	<ul><li>Principles of Architecture</li><li>Principles of Construction</li></ul>
Level 2	<ul> <li>Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I</li> <li>Building Maintenance Technology I</li> <li>Entrepreneurship I</li> </ul>
Level 3	<ul> <li>Sheet Metal Technology</li> <li>Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II</li> </ul>
Level 4	<ul> <li>Practicum in Construction Technology</li> <li>Practicum in Construction Technology + Extended Practicum in Construction Technology</li> <li>Practicum in Entrepreneurship</li> <li>Practicum in Entrepreneurship + Extended Practicum in Entrepreneurship</li> <li>Career Preparation for Programs of Study</li> <li>Career Preparation for Programs of Study + Extended Career Preparation</li> </ul>
Ą	ligned Advanced Academic Courses

Dual Credit Dual credit offerings will vary by local education agency.

## Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	•	Participate in a pre-apprenticeship in HVAC and refrigeration Intern with an HVAC company to practice installing and

Architecture and Construction Career Cluster

## **Course Information**

Course	Prerequisites   Corequisites	Career Ousters
Principles of Architecture* 13004210 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	1. Architecture and apstruction 2. Engine and
Principles of Construction* 13004220 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	▲ 1. Architecture and Construction
Course	Prerequisites   Corequisites	Career Ousters

Course	Prerequisites   Corequisites	Career Ousters
Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I 13005800 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Architecture, Principles of Construction, or Construction Technology I Recommended Corequisites: None	1. Architecture and Construction 2. Manufacturing
Building Maintenanœ Technology I* 13005400 (2 credits)	Prerequisites: None Corequisites: None Recommended Prerequisites: Algebra I, Geometry, and Principles of Architecture or Principles of Construction Recommended Corequisites: None	1. Architecture and Construction
Entrepreneurship I* 13011101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Business, Marketing and Finance Recommended Corequisites: None	



Level 1

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Architecture and Construction Career Cluster

		Course Information	
	Course	Prerequisites   Corequisites	Career Ousters
Level 3	Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II 13005900 (2 credits)	Prerequisites: Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I Corequisites: None Recommended Prerequisites: Principles of Architecture, Principles of Construction, or Construction Technology I Recommended Corequisites: None	
	Course	Prerequisites   Corequisites	Career Ousters
Level 4	Practicum in Construction Technology* First Time Taken: 13005250 (2 credits) Second Time Taken: 13005260 (2 credits)	Prerequisites: Construction Technology II; Building Maintenance Technology II; Electrical Technology II; Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II; Plumbing Technology I; or Mill and Cabinetmaking Technology Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	
	Practicum in Construction Technology + Extended Practicum in Construction Technology* First Time Taken: 13005255 (3 credits) Second Time Taken: 13005265 (3 credits)	Pre	1. Architecture and Construction

1. Architecture and Construction

Architecture and Construction Career Cluster

	_	Course Information	
	Course	Prerequisites   Corequisites	Career Clusters
-	Career Preparation for Programs of Study* First Time Taken: 12701121 (2 credits)	Prerequisites: At least one Level 2 or higher CTE course Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	Agriculture. Food and Natural Resources     Architecture and Construction     Arch Audio Visual schnology and Comm     Arch Audio Visual schnology and Comm     C. Education and     Active Audio Visual Schnology     Architecture and Schnology
	Career Preparation for Programs of Study + Extended Career Preparation* First Time Taken: 12701141 (3 credits)	Prerequisites: At least one Level 2 or higher CTE course Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	Agriculture, Food and Natural Resources     Acchitecture and Construction     Audio Visual Actinology and Communication     Audio Visual Actinology and Communication     Audio Visual Actinology and Communication     Subject Sectors     Audio Visual Actinology and Communication     Subject Sectors     Audio Visual Actinology     Audio Actinology

For additional information on the **Architecture and Construction** career cluster contact <u>cte@tea.texas.gov</u> or visit <u>https://tea.texas.gov/cte</u>



Level 4

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