Architecture and Construction Career Guster

The Architecture and Construction career cluster focuses on designing, planning, managing, building, and maintaining the built environment. This preer cluster includes occupations ranging from architects, carpenters, and construction managers to electricians, plumbers, and heating, air construction managers to electricians, plumbers, and heating, air construction managers to electricians.

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	Principles of ArchitecturePrinciples of Construction
Level 2	 Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I Building Maintenance Technology I Entrepreneurship I
Level 3	 Sheet Metal Technology Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II
Level 4	 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 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

Course Information

Course	Prerequisites Corequisites	Career Gusters
Principles of Architecture* 13004210 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	1. Architecture and apstruction 2. Engine 220.
Principles of Construction* 13004220 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	▲ 1. Architecture and Construction
Course	Prerequisites Corequisites	Career Gusters
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 Maintenance 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	

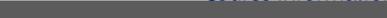
1. Architecture and Construction

Course Information

Course Prerequisites Corequisites Career Ousters Prerequisites Heating, Ventilation, and Air Conditioning (HAC) and Air Conditioning (HAC) and Refrigeration Technology Coregion Construction Technology Construction Cons			
Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II coregulates from Pacommended Perequisites Principles of Construction Technology II reduced Perequisites Principles of Construction Technology II Recommended Corequisites Rome Practicum in Construction Technology II Reating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II Reating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II Reating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II Reating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II Plumbing I	Course	Prerequisites Corequisites	Career Gusters
Precticum in Construction Technology* First Time Taken: 13005250 (2 credits) Second Time Taken: 13005260 (2 credits) Precticum in Construction Technology II; Heating. Precticum in Construction Technology Extended Practicum in Construction Technology First Time Taken: 13005250 (3 credits) Precticum in Construction Technology Extended Practicum in Construction Technology* First Time Taken: 13005255 (3 credits) Precupities: None Recommended Corequistes: None Recommended Corequistes: None Precupities: None Recommended Corequistes: None Precupities: None Recommended Corequistes: None Precupities: None Recommended Corequistes: None Recommended Corequistes: None Precupities: None Recommended Corequistes: None Recomm	Air Conditioning (HVAC) and Refrigeration Technology II	Air Conditioning (HVAC) and Refrigeration Technology I Corequisites: None Recommended Prerequisites: Principles of Architecture, Principles of Construction, or Construction Technology I	▲
Building Maintenance Technology II; Electrical Technology II; Electrical Technology II; Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II; Plumbing II	Course	Prerequisites Corequisites	Career Gusters
Technology + Extended Practicum in Construction Technology* Technology* First Time Taken: 13005255 (3 credits) Second Time Taken: 13005265 (3 credits)	Technology* First Time Taken: 13005250 (2 credits) Second Time Taken:	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	▲
1. Architecture and Construction	Technology + Extended Practicum in Construction Technology* First Time Taken: 13005255 (3 credits) Second Time Taken:	Pre	1. Architecture and Construction
			Architecture and Construction

Architecture and Construction Career Guster

Course Information



Career Gusters

Career Preparation for Programs of Study*

First Time Taken: 12701121 (2 credits)

Course

Prerequisites: At least one Level 2 or higher CTE course
Corequisites: None

Prerequisites | Corequisites

Recommended Prerequisites: None Recommended Corequisites: None



Career Preparation for Programs of Study + Extended Career Preparation*

Prerequisites: At least one Level 2 or higher CTE course Corequisites: None

Recommended Prerequisites: None Recommended Corequisites: None



For additional information on the **Architecture and Construction** career cluster

