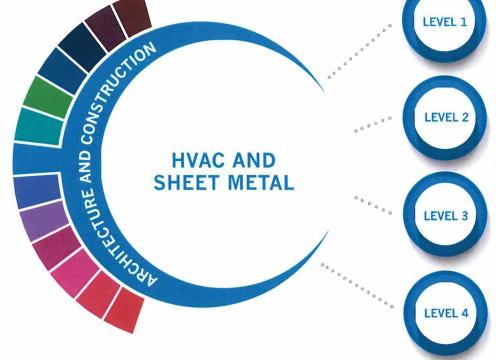
## COURSES

Principles of Construction



Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II Sheet Metal (TBD)

Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I

Practicum in Construction Technology Practicum in Entrepreneurship (TBD) Career Preparation I

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Refrigerant Handling (EPA 608)	Residential HVAC Design for Quality Installation	Business Adn	ninistration and I General	Management,
OSHA 30 Hour Construction	Certified Cost Technician	Med	chanical Enginee	ring
NCCER HVAC, Level 1	Precision Sheet Metal Operator Certification	Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/ Technician	Construction Engineering Technology/ Technician	Construction Engineering
NCCER Sheet Metal, Level 1	Certified Ventilation System Inspector	Busine	ess/Commerce, G	Seneral

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	GROWTH
Heating, Air Conditioning, and Refrigeration Mechanics	\$41,808	3,356	26%
Sheet Metal Workers	\$37,419	1,479	17%
Cost Estimators	\$63,939	2,239	21%

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

## WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

**Exploration Activities:** Shadow an HVAC worker or cost estimator

Career Preparation:
Obtain an NCCER
certification in HVAC,
Electrical Level 1,
Electronic Systems
Technician Level 1, or
Sheet Metal Level 1

The HVAC and Sheet Metal program of study explores the occupations and educational opportunities associated with installing, serving, or repairing heating and air conditioning systems and also the fabrication, assembly, installation, and repair of sheet metal products and equipment, such as ducts, control boxes, drainpipes, and furnace casings. This program of study may also include exploration into preparing cost estimates for certain construction projects involving heating and air conditioning and sheet metal.



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.



## COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ) RECOMMENDED PREREQUISITES (RPREQ) RECOMMENDED COREQUISITIES (CREQ)	GRADE
Principles of Construction	13004220	None	9-12
Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I	13005800	RPREQ: Principles or Architecture, Principles of Construction, or Construction Technology I	10-12
Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II	13005900	PREQ: Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I RPREQ: Principles of Architecture or Principles of Construction	
Sheetmeal	TBD	TBD	TBD
Practicum in Construction Technology	13005250 (2 credits) 13006450 (3 credits)	PREO: 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	12
Practicum in Entrepreneurship (TBD)	TBD	TBD	11-12
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	11-12

FOR ADDITIONAL INFORMATION ON THE ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER, PLEASE CONTACT: