



# Architecture and Construction Dual Credit HVAC



## Collin College Technical Campus

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
Principles of Architecture (1)	Architectural Design I (1)	Dual Credit HVAC I (2)	Dual Credit HVAC II (2)

The HVAC 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.

### Certifications and Degrees

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
(EPA 608) Universal Technician	Residential HVAC Design for Quality Installation	Business Administration and Management, General	Business Administration and Management, General	Business Administration and Management, General
Entry HVAC Certificate and Residential Servicing	Certified Cost Technician	Mechanical Engineering	Mechanical Engineering	Mechanical Engineering
	Precision Sheet Metal Operator Certification	Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/ Technician	Construction Engineering Technology/ Technician	Construction Engineering
	Certified Ventilation System Inspector	Business/ Commerce, General	Business/ Commerce, General	Business/ Commerce, General

Additional industry-based certification information is available on 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:	Work Based Learning Activities:
Shadow an HVAC worker or Cost Estimator SkillsUSA	Intern with a company that works with HVAC and/or sheet metal

Occupation Outlook			
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%



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.

Successful completion of the HVAC and Sheet Metal program of study will fulfill requirements of the Business and Industry Endorsement. Revised - July 2020

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

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<https://tea.texas.gov/cte>

