

HEATING, VENTILATION, & AIR CONDITIONING (HVAC) AAS DEGREE

The heating, ventilation, and air conditioning associate of applied science degree prepares the individual for a technical service career in residential or light commercial/industrial environmental systems. The student will study the mechanical and electrical/electronic systems involved in contemporary environmental controls. The academic requirements of the program provide a foundation for continued studies should the student decide to pursue his or her education or training.

- Degree Type: AAS
- TSI (<https://coursecatalog.tvcc.edu/admission-registration/testing/tsi-testing-requirements/>): required

Note: Criminal history may disqualify individuals from obtaining or maintaining any HVAC certifications.

TEXAS LAW:

- restricts the issuance of occupational licenses based on a license applicant's criminal history; and
- authorizes the Texas Department of Licensing and Regulation (TDLR), in some cases, to consider a person convicted, even though the person was only on probation or community supervision without a conviction.

Individuals who have been convicted of an offense or placed on probation might not be eligible for an occupational license issued by TDLR even after completing an educational or training program;

TDLR's criminal history guidelines are available at www.tdlr.texas.gov/crimconvict.htm (<http://www.tdlr.texas.gov/crimconvict.htm>) and include restrictions or guidelines TDLR uses to determine eligibility for an occupational license; and individuals have the right to request a criminal history evaluation letter from TDLR, which is explained in more detail at www.tdlr.texas.gov/crimhistoryeval.htm (<http://www.tdlr.texas.gov/crimhistoryeval.htm>).

Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1314 or MATH-1332 OR MATH-1342	College Algebra or	3
Lang./Phil./Culture or Creative Arts Class		3
Social/Behav. Science Class		3
EDUC-1300 or PSYC-1300	Learning Framework or Learning Frameworks	3
Hours		15

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Term One

HART-1301	Basic Electricity for Hvac	3
HART-1303	Air Conditioning Control Principles	3
MCHN-1320	Precision Tools and Measurement	3
MCHN-1338	Basic Machine Shop I	3
Hours		12

Term Two

BCIS-1305	Business Computer Applications	3
HART-1307	Refrigeration Principles	3
HART-1341	Residential Air Conditioning	3
HART-1345	Gas and Electric Heating	3
Hours		12

Term Three

POFT-1301	Business English	3
HART-2336	Air Conditioning Troubleshooting	3
HART-2338	Air Conditioning Installation and Startup	3
Hours		9

Term Four

HART-2345	Residential Air & Conditioning Systems Design	3
HART-1300	HVAC Duct Fabrication	3
ELPT-1311	Basic Electrical Theory	3
HART-1382	Cooperative Education	3
Hours		12
Total Hours		60