

**Heating, Ventilation and Air Condition and Refrigeration
Associate of Applied Science**

Texas Southmost College
Health Care, Career and Technical Education Division

The mission of the Heating, Ventilation and Air Condition and Refrigeration (HVAC) program is to prepare students for the successful entry in the air conditioning, heating and refrigeration industry. Students develop skills, knowledge and successful workplace attitudes in installation, service/repair and maintenance of typical equipment and systems. The HVAC Technology program provides students with classroom and laboratory experiences using the most current technology to perform assigned work and projects.

FIRST YEAR - FALL SEMESTER	CREDIT HOURS
ENGL 1301 ⁺ Composition I.....	3
MATH 1314 ⁺ College Algebra.....	3
XXXX X3XX ¹ Language, Philosophy & Culture/Creative Arts Elective	3
XXXX X3XX ² Social and Behavior Sciences Elective.....	3
SPCH 1315 Public Speaking	
SPCH 1318 or Interpersonal Communication	3
 FIRST YEAR - SPRING SEMESTER	
HART 1301 Basic Electricity for HVAC	3
HART 1307 Refrigeration Principles	3
HART 1303 Air Conditioning Control Principles	3
MAIR 1349 Refrigerators, Freezers, Window Air Conditioners	3
HART 1341 Residential Air Conditioning	3
 SECOND YEAR - FALL SEMESTER	
HART 1345 Gas and Electric Heating	3
HART 2345 Residential Air Conditioning Systems Design.....	3
HART 2338 Air Conditioning Installation and Startup	3
HART 2349 Heat Pumps	3
HART 2301 Air Conditioning and Refrigeration Codes	3
 SECOND YEAR - SPRING SEMESTER	
HART 1356 EPA Recovery Certification Preparation	3
HART 2388 Internship - Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	3
HART 2336 Air Conditioning Troubleshooting.....	3
HART 1391 Special Topics in Heating, Air Conditioning and Refrigeration	3
HART 1394 Special Topics in Heating, Air Conditioning and Refrigeration Mechanic and Repair	3

TOTAL CREDIT HOURS FOR GRADUATION - 60

⁺ Grade of “C” or better is required for graduation.

¹ Language, Philosophy & Culture/Creative Arts Electives: Any General Education Core course that meets these categories

² Social and Behavioral Sciences Electives: Any General Education Core course that meets these categories.

TSI Requirement (Texas Success Initiative - any other state-approved test) - Student must pass all three sections of state-approved test to graduate with this degree.

A minimum grade of “C” must be obtained in each (HART, MAIR) course required in the degree plan.