Heating, Ventilation, Air Conditioning and Refrigeration
Certificate of Proficiency - Level One

Texas Southmost College
Health Care, Career and Technical Education Division

The mission of the Heating, Ventilation, Air Conditioning and Refrigeration program is to prepare students for 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 program provides students with classroom and laboratory experiences using the most current technology to perform assigned work and projects.

FIRST SEMESTER	**CREDIT HOURS**
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

SECOND SEMESTER	
HART 1341 Residential Air Conditioning	3
HART 1345 Gas and Electric Heating	3
HART 2345 Residential Air Conditioning Systems Design	3
HART 2338 Air Conditioning Installation and Start Up	3

THIRD SEMESTER	
HART 2349 Heat Pumps	3
HART 2301 Air Conditioning and Refrigeration Codes	3
HART 1356 EPA Recovery Certification Preparation	3
HART 2388 Internship-Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	3

TOTAL CREDIT HOURS FOR GRADUATION - 36

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

Students must graduate within six (6) years from the academic year of entrance or may be placed under the provisions of a later catalog.

A minimum grade of "C" must be obtained in each (HART) course required in the certificate plan.