



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

CERT.HART  
2023-2024

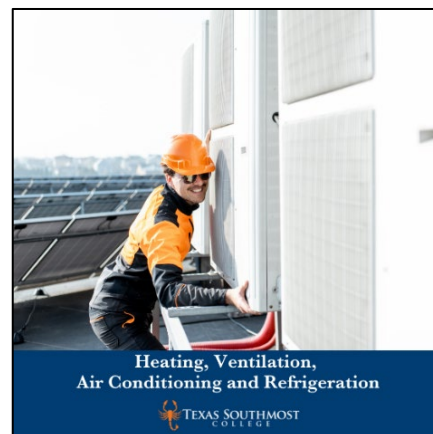
Texas Southmost College

Division of Business, Engineering, Architecture, and Technology

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

## Recommended Course Sequence

Courses	Credits	Suggested Semester
HART 1300* HVAC Duct Fabrication	3	Fall
HART 1301* Basic Electricity for HVAC	3	Fall
HART 1307* Refrigeration Principles	3	Fall
HART 1310* HVAC Shop Practices and Tools	3	Fall
HART 1341* Residential Air Conditioning	3	Spring
HART 1303* Air Conditioning Control Principles	3	Spring
MAIR 1349* Refrigerators, Freezers, Window Air Conditioners	3	Spring
HART 2342* Commercial Refrigeration	3	Spring
<b>Total Credit Hours for Graduation</b>	<b>24</b>	



Check course core designation at the [Class Availability website](#).

This information is provided as an example only. You will develop a personalized plan with your Success Coach and faculty advisor/mentor that reflects your goals and interests. You are required to meet with an advisor each semester to ensure you are on track for graduation. This document does not contain all the information you need to stay on track for graduation.

## Program Student Learning Outcomes

Program Student Learning Outcomes (PSLO) are statements that specify what students will know, be able to do or be able to demonstrate when they have completed the program.

1. Upon completion of the program, all students will be able to identify and develop the necessary skills and training relevant to troubleshoot and repair HVAC/R equipment in the HVAC/R industry.
2. All students will be able to demonstrate an understanding of the HVAC/R industry and the terminology used.
3. Lastly, all students will be able to express an understanding of the safety requirements, identifying tools, industry codes, and equipment used in the HVAC/R industry.

\*A grade of "C" or better is required for graduation.