

# HVAC/R

## Guided Pathway to Success - Year 1 (AAS) Fall 2023 - Spring 2024 ONLY

The Associate in Applied Science in HVAC/R degree prepares students to enter the workforce as an HVAC/R technician. In this two-year program students develop skills and learn about fabrication and joining techniques, basic refrigeration, heating, air conditioning, commercial refrigeration, electrical fundamentals, HVAC/R controls, and design of HVAC/R systems. In addition to the technical training, students enrolled in the AAS degree take an additional (18) credit hours in non HVAC/R courses such as communications, math, and technical skills writing. Individuals considering a career of HVAC/R management are strongly encouraged to apply for this degree. In addition, students study and test for the EPA license.

**Extra-Curricular/Cocurricular Opportunities at ECC:** All HVAC/R students have an opportunity to participate in DECA and SkillsUSA. ECC-DECA has competed regionally and nationally enjoying trips to Washington D. C., Orlando and New York. The SkillsUSA allows students to fulfill the mission of the organization "to empower members to become world-class workers, leaders and responsible American citizens."

COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
COL 100	Campus Orientation	0	
COL 101	Falcon Seminar: Career Technical	1	
PSC CIVICS	Civics Achievement Exam	0	
HVC 101	Intro to Heating & Cooling	4	
HVC 104	Refrigerant A/C Installation I	4	
HVC 105	Forced Air Heating I	4	
HVC 204	Refrigerant A/A Installation II	4	
Total Credit Hours: 17			

### MILESTONE NOTES

Complete HVC 103

COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
HVC 103	Refrigeration Recovery/EPA	1	
HVC 106	Heating & Equipment	4	
HVC 205	Forced Air Heating II	4	
HVC 206	Heating & Equipment Installation II	4	
HVC 295	HVAC Capstone II	3	
Total Credit Hours: 16			

Updated 7/2022

# HVAC/R

## Guided Pathway to Success - Year 2 (AAS) Fall 2023 - Spring 2024 ONLY

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COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
ENG 101 ENG 114	English Comp I or Honors English Comp I	3	
COM 101 COM 110	CORE 42 Oral Comm. Req. Oral Comm. Or Public Speaking	3	
MTH 110	Intermediate Algebra	3	
HST 101, HST 102, PSC 102	US Hist. to 1877, US Hist. Since 1877, US Government	3	
varies	CIS or BUS Pathway Elective (see below)	3	
<b>Total Credit Hours: 15</b>			

MILESTONE NOTES
Complete Mathematics Requirement

COURSE #	COURSE TITLE	CREDIT HOUR	TERM OFFERED
ENG 104 or ENG 102	Technical Writing or English Comp II	3	
HVC 251	Commercial Chilled Water Application	3	
HVC 151	Energy Audit & Green Tech	3	
HVC 295	HVAC Capstone	3	
varies	CORE 42 Natural Science no lab	3	
<b>Total Credit Hours: 15</b>			

MILESTONE NOTES
Complete Core 42 Written Communication
Complete HVC 295

### CIS or Business Pathway Electives:

BUS 110- Intro to Business, BUS 111- Principles of Marketing, BUS 141- Principles of Finance, BUS 171- Human Resource Management, BUS 181- Business Communications, CIS 110- Technical & Digital Literacy, CIS 121- Found. Management Info Systems, CIS 123- Intro to Security- FA , CIS 124- Logic -SP, CIS 126- Computer Operations & Maintenance- FA, CIS 127- Web Design and Development, CIS 129- C# Programming, CIS 151- Network 1-SP, CIS 152- Network 2- FA, CIS 193- Operating Sys

Updated 7/2022