

# Heating, Ventilation, Air Conditioning, and Refrigeration - AAS

63 credit Associate of Applied Science Degree in Heating, Ventilation, Air Conditioning, and Refrigeration: With a goal of preparing students for entry level HVAC-R Technician position, this degree will require the equivalent of four semesters of classroom and lab courses for a total of 63 credits. It will include a combination of fundamental and advanced instruction in HVAC-R theory and practice, as well as related foundational skills courses in math, communication and ethics.

- EPA 608 - Environmental Protection Agency (EPA) Universal Certification for refrigerant disposal

North America Technician Excellence (NATE) certification may also be offered in the future.

Year 1	Credits	
	Fall	Spring
M 111 - Technical Mathematics	3	
COMX 115 - Introduction to Interpersonal Communication	3	
ELCT 100 - Introduction to Electricity	3	
HVC 110 - Introduction to HVAC-R	3	
OSH 110 - OSHA 10 Safety Training for Construction Trades	1	
HVC 115 - Trade Tools and Test Equipment	2	
HVC 125 - Environmental Protection Agency 608 Certification		1
HVC 130 - HVAC-R Electrical		3
HVC 140 - HVAC Systems I		3
HVC 145 - HVAC-R Welding, Brazing and Pipe Joining		2
HVC 150 - HVAC Installation and Sheet Metal Fabrication		4
HVC 155 - Blueprint Reading and Wiring Schematics		3
Year Total:	15	16
Year 2	Credits	
	Fall	Spring
ELCT 111 - Electric Meters and Motors	3	
HVC 240 - HVAC Systems II	3	
WRIT 104 - Workplace Communications	2	
HVC 215 - Central AC and Indoor Air Quality	4	
HVC 220 - Gas-Fired Furnaces and Boilers	4	
HVC 255 - Advanced Controls		3
HVC 270 - Energy-Efficient HVAC Technologies and Renewable Energy		3
HVC 260 - Commercial Air Conditioning and Refrigeration		4
Commercial Heating and Burners		4
Construction Trades Ethics		2
Year Total:	16	16
<b>Total Program Credits:</b>		<b>63</b>

Certification opportunities offered through this program will include:

- OSH10 - Occupational Safety and Health Administration (OSHA) 10 hour construction industry safety training