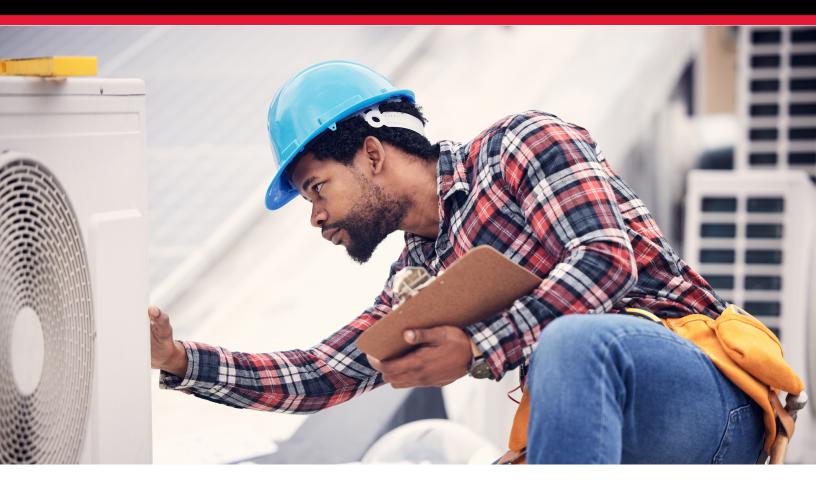


## HVAC/R

Associate in Applied Science • Certificate



The Associate in Applied Science (A.A.S.) in Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R) prepares students to install and service heating, air conditioning and refrigeration equipment in residential and commercial settings.

#### Coursework includes:

- Hands-on practices in heating, ventilation, air conditioning, and refrigeration
- Diagnostics and Servicing
- Print Reading and Interpretation
- Externship

# A.A.S. graduates may pursue careers with HVAC/R contractors in:

- Maintenance
- Installation
- Service
- Sales
- Managing\*
- Supervising\*
- Independent Operations\*

\*with additional experience

## **Degree Requirements**

Semester I		Credit Hour
ENG*	Select <u>one</u> of the following:	3
	ENG 101 College Writing	
	ENG 105 College Writing Seminar	(4)
MAT 104*	Technical Mathematics	3
HVT 105	Basic Refrigeration Principles	3
HVT 111	Electricity for HVAC/R	3
HVT 120	Residential Load Calculations	2
OHS 115	Construction Safety & Health	3
Semester II		
HVT 152	Heat Pumps	3
HVT 180	HVAC/R Diagnostics & Servicing	4
PHT 140	Print Reading and Interpretation	2
	Elective: General Education	3
COM	Elective: Communication	3
Semester III		
PHT 207	Heating I	4
PHT 209	Propane and Natural Gas I	4
PHT 225	Maine Oil/Solid Fuel Code	1
HVT 255	Commercial Refrigeration	2
	Elective: Mathematics or Science	3-4
	100 or Higher	
Semester IV	-	
HVT 252	HVAC/R System Design	3
PHT 259	Propane and Natural Gas II	4
PHI 111	Introduction to Ethics	3
ENG	Select one of the following:	3
	ENG 201 Technical Writing	
	ENG 220 Business Communication	1
	Select one of the following:	3
	HVT 297 Externship	
	PHT 135 Electricity, Pumps and Hydronics	

Total Credit Hour Requirements	62-64

<sup>\*</sup>Placement determined by assessment test scores and/or prior college coursework

## **Certificate Requirements**

Semester I	Cred	Credit Hours	
ENG*	Select one of the following:	3	
	ENG 101 College Writing		
	<b>ENG 105 College Writing Seminar</b>	(4)	
MAT 104*	Technical Mathematics	3	
HVT 105	<b>Basic Refrigeration Principles</b>	3	
HVT 111	Electricity for HVAC/R	3	
HVT 120	Residential Load Calculations	2	
OHS 115	Construction Safety & Health	3	
Semester II			
HVT 152	Heat Pumps	3	
HVT 180	HVAC/R Diagnostics & Servicing	4	
PHT 140	Print Reading and Interpretation	2	
	<b>Elective: General Education</b>	3	
COM	Elective: Communications	3	
Total Credit Hour Requirements		32-33	



#### Office of Admissions

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