



# Heating, Air Conditioning, and Refrigeration Plumbing & Heating Option

## Associate in Applied Science

### Four Semester Pathway Academic Year 2025-2026

Semester 1	Requirement	Recommended	Prerequisites	Corequisites	Credits	My Plan
FIGS 100	Student Success Elective - Industrial Technology & Transportation Pathway				1	
	Mathematics Elective (100 level or higher)		MATH 040		3	
HVPL 105	Plumbing Application and Methods	Offered Fall semester only	HVAC Program Acceptance	MATH 040	7	
AEDD 100	Print Reading		MATH 040		3	
OSHA 120	Construction Safety				1	
<b>Semester 2</b>						
ELEC 100	Basic Electrical Principles - HVAC		HVAC Program Acceptance		3	
HVPL 205	Plumbing Application and Code		HVLP 105		7	
ENGL 100	English Composition		ENGL 080		3	
	Science Elective with Lab		See course prerequisites	See course corequisites	4	
<b>Semester 3</b>						
HVAC 115	Residential Heating Systems	Offered Fall semester only	HVAC Program Acceptance	MATH 040	7	
ENGL 115 OR ENGL 117	Introduction to Literature Introduction to Professional Writing		ENGL 100 or ENGL 101		3	
	Fine Arts or Humanities Elective		See course prerequisites	See course corequisites	3	
	Social Science Elective	PSYC 100 Intro to Psychology OR SOC 100 Intro to Sociology		ENGL 080 or ENGL 101	3	
<b>Semester 4</b>						
HVAC 215	System Design and Residential Heating		ELEC 100, HVAC 115		7	
WELD 100	Introduction to Welding				3	
	Free Electives		See course prerequisites	See course corequisites	3	
				<b>Total Credits</b>	<b>61</b>	

Note that AEDD 100, HVPL 105 and HVPL 205 constitute the plumbing sequence and could be taken year 2 by substituting the heating sequence ELEC 103, HVAC 115, and HVAC 230 in the first year of the program

[Advice on Choosing Electives](#)

## Plumbing & Heating Option

<b>General Education Requirements</b>					
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>PREREQUISITES</b>	<b>COREQUISITES</b>	<b>CREDITS</b>	<b>MET</b>
ENGL 100	English Composition	ENGL 080		3	
ENGL 115 OR ENGL117	Introduction to Literature Introduction to Professional Writing	ENGL 100 or ENGL 101		3	
FIGS 100	Student Success Elective - Industrial Technology & Transportation Pathway			1	
	Mathematics Elective (100 level or higher)	MATH 040		3	
	Science Elective with Lab			4	
	Fine Arts or Humanities Elective			3	
	Social Science Elective			3	

<b>Major Required Courses</b>					
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>PREREQUISITES</b>	<b>COREQUISITES</b>	<b>CREDITS</b>	<b>MET</b>
AEDD 100	Print Reading	MATH 040		3	
ELEC 100	Basic Electrical Principles - HVAC	HVAC program acceptance		3	
HVAC 115	Residential Heating Systems	HVAC program acceptance	MATH 040	7	
HVAC 215	System Design & Industrial Heating	ELEC 100, HVAC 115		7	
HVPL 105	Plumbing Application and Methods	HVAC program acceptance	MATH 040	7	
HVPL 205	Plumbing Application and Code	HVPL 105		7	
OSHA 120	Construction Safety			1	
WELD 100	Introduction to Welding			3	
	Free Electives			3	

**2025-2026**