



Heating, Air Conditioning, and Refrigeration Heating & Plumbing Option
Associate in Applied Science
Four Semester Pathway Academic Year 2022-2023

Semester 1	Requirement	Recommended	Prerequisites	Corequisites	Credits	My Plan
FIGS 100	Student Success Elective				1	
MATH 140	College Algebra		MATH 040		3	
MATH 146	Introduction to Trigonometry		MATH 040	MATH 140	1	
HVPL 105	Plumbing Application and Methods	Offered Fall semester only	HVAC Program Acceptance	MATH 040	7	
AEDD 100	Print Reading		MATH 040		3	
CONS 160	Introduction to Leveling Instruments				1	
OSHA 120	Construction Safety				1	
Semester 2						
ELEC 100	Basic Electrical Principles - HVAC		HVAC Program Acceptance		3	
	Social Science Elective	PSYC 100 Intro to Psychology OR SOCL 100 Intro to Sociology	See course prerequisites	See course corequisites	3	
ENGL 100	English Composition		ENGL 080		3	
HVPL 205	Plumbing Application and Code		HVLP 105		7	
Semester 3						
ENGL 115	Introduction to Literature		ENGL 100 or ENGL 101		3	
HVAC 115	Residential Heating Systems	Offered Fall semester only	HVAC Program Acceptance	MATH 040	7	
PHYS 150	College Physics I with Lab		MATH 140		4	
	Fine Arts or Humanities Elective		See course prerequisites	See course corequisites	3	
Semester 4						
HVAC 215	System Design and Residential Heating		ELEC 100, HVAC 115		7	
WELD 100	Introduction to Welding				3	
PHYS 155	College Physics II with Lab		PHYS 150		4	
				Total Credits	64	

Note that HVPL 100/AEDD 100, HVPL 105, 100, and 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

Heating & Plumbing Option

General Education Requirements					
COURSE CODE	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
ENGL 100	English Composition	ENGL 080		3	
ENGL 115	Introduction to Literature	ENGL 100 or ENGL 101		3	
FIGS 100	Student Success Elective			1	
MATH 140	College Algebra	MATH 040		3	
MATH 146	Introduction to Trigonometry	MATH 040	MATH 140	1	
PHYS 150	College Physics I with Lab	MATH 140		4	
PHYS 155	College Physics II with Lab	PHYS 150		4	
	Fine Arts or Humanities Elective			3	
	Social Science Elective			3	

Major Required Courses					
COURSE CODE	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
AEDD 100	Print Reading	MATH 040		3	
CONS 160	Introduction to Leveling Instruments			1	
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	