



Heating, Air Conditioning, and Refrigeration 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	
HVAC 115	Residential Heating Systems	Offered Fall semester only	HVAC Program Acceptance	MATH 040	7	
ELEC 100	Basic Electrical Principles for HVAC		HVAC Program Acceptance		3	
AEDD 100	Print Reading		MATH 040		3	
Semester 2						
HVAC 215	System Design and Residential Heating	Offered Spring semester only	ELEC 100, HVAC 115		7	
ENGL 100	English Composition		ENGL 080		3	
	Science Elective with Lab		See course prerequisites	See course corequisites	4	
Semester 3						
HVAC 120	Basic Refrigeration	Offered Fall semester only	HVAC Program Acceptance	MATH 040	7	
ENGL 115 OR ENGL 117	Introduction to Literature OR 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 SOCI 100 Intro to Sociology		ENGL 080 or ENGL 101	3	
Semester 4						
HVAC 220	Basic Air Conditioning	Offered Spring semester only	ELEC 100, HVAC 120		7	
WELD 100	Introduction to Welding				3	
	Free Electives		See course prerequisites	See course corequisites	4	
				Total Credits	61	

Note that HVAC 115 and 215 constitute the Heating sequence and could be taken year 2 by substituting the refrigeration sequence HVAC 120 and 220 in the first year of the program

[Advice on Choosing Electives](#)



Heating, Air Conditioning, and Refrigeration

General Education Requirements					
COURSE CODE	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
ENGL 100	English Composition	ENGL 080		3	
ENGL 115 OR ENGL 117	Introduction to Literature OR 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	

Major Required Courses					
COURSE CODE	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
AEDD 100	Print Reading	MATH 040		3	
ELEC 100	Basic Electrical Principles - HVAC	HVAC program acceptance		3	
HVAC 115	Residential Heating Systems (Fall only)	HVAC program acceptance	MATH 040	7	
HVAC 120	Basic Refrigeration (Fall only)	HVAC program acceptance	MATH 040	7	
HVAC 215	System Design & Industrial Heating (Spring only)	ELEC 100, HVAC 115		7	
HVAC 220	Basic Air Conditioning (Spring only)	ELEC 100, HVAC 120		7	
WELD 100	Introduction to Welding			3	
	Free Electives			4	