



Heating, Air Conditioning, and Refrigeration Associate in Applied Science

Four-Semester Pathway - Academic Year 2019-2020

Semester 1	Requirement	Recommended	Prerequisites	Corequisites	Credits	My Plan
FIGS-100	Freshman Interest Group				1	
MATH-140	College Algebra		MATH-050		3	
MATH 146	Introduction to Trigonometry		MATH-050	MATH-140	1	
HVAC-115	Residential Heating Systems	Offered Fall semester only	HVAC Program Acceptance	MATH-050	7	
ELEC-100	Basic Electrical Principles for HVAC		HVAC Program Acceptance		3	
AEDD-100	Print Reading		MATH-030		3	
Semester 2						
HVAC-215	System Design and Residential Heating	Offered Spring semester only	ELEC-100, HVAC-115		7	
	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-090, ENGL-095		3	
Semester 3						
ENGL-115	Introduction to Literature		ENGL-100		3	
HVAC-120	Basic Refrigeration	Offered Fall semester only	HVAC Program Acceptance		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-220	Basic Air Conditioning	Offered Spring semester only	ELEC-100, HVAC-120		7	
WELD-100	Introduction to Welding				3	
PHYS-155	College Physics II with Lab		PHYS-150		4	

Note that HVAC 115, 215, and ELEC 103 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



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General Education Requirements					
COURSE CODE	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
ENGL-100	English Composition	ENGL-090, ENGL-095		3	
ENGL-115	Introduction to Literature	ENGL-100		3	
FIGS-100	Freshman Interest Group Elective			1	
MATH-140	College Algebra	MATH-050		3	
MATH 146	Introduction to Trigonometry	MATH-050	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-030		3	
ELEC-100	Basic Electrical Principles for HVAC	HVAC program acceptance		3	
HVAC-115	Residential Heating Systems	HVAC program acceptance	MATH-050	7	
HVAC-120	Basic Refrigeration	HVAC program acceptance	MATH-050	7	
HVAC-215	System Design & Industrial Heating	ELEC-100, HVAC-115	ELEC-103	7	
HVAC-220	Basic Air Conditioning	ELEC-100, HVAC-120		7	
WELD-100	Introduction to Welding			3	