

Individual Graduation Plan
A35100 – Air Conditioning, Heating, & Refrigeration Technology
 Fall 2017

Student Name: _____ Student No: _____

The Air Conditioning, Heating, and Refrigeration Technology curriculum provides the basic knowledge to develop skills necessary to work with residential and light commercial systems. Topics include mechanical refrigeration, heating and cooling theory, electricity, controls, and safety. The diploma program covers air conditioning, furnaces, heat pumps, tools and instruments. In addition, the AAS degree covers residential building codes, residential system sizing, and advanced comfort systems. Diploma graduates should be able to assist in the start up, preventive maintenance, service, repair, and/or installation of residential and light commercial systems. AAS degree graduates should be able to demonstrate an understanding of system selection and balance and advanced systems.

Developmental Requirements

(Some developmental requisites may be waived based on placement scores, course selection, etc.)

Year	Semester	Grade	Course Number and Title	Hrs	Prerequisites	Corequisites	
			CIS 070	Fundamentals of Computing	1		
			DMA 010	Operations with Integers	1		
			DMA 020	Fractions and Decimals	1*	DMA 010	
			DMA 030	Propor/Ratio/Rate/Percent	1*	DMA 010 and 020	
			DRE 096	Integrated Reading and Writing	3		
			DRE 097	Integrated Reading Writing II	3*	DRE 096	
			DRE 098	Integrated Reading Writing III	3*	DRE 097	

Curriculum Program Requirements

Year	Semester	Grade	Course Number and Title	Hrs	Prerequisites	Corequisites
1st Semester						
			ACA 115	Success & Study Skills	1	
			AHR 110	Intro to Refrigeration	5	
			AHR 151	HVAC Duct Systems I	2	
			CIS 110	Introduction to Computers	3	
			MAT 110	Math Measurement & Literacy	3*	DMA 010, DMA 020 and DMA 030
			_____	Electricity Choice <i>(Choose from AHR 111 or ELC 112)</i>	3*	Varies
2nd Semester						
			AHR 112	Heating Technology	4	
			AHR 113	Comfort Cooling	4	
			AHR 114	Heat Pump Technology	4	AHR 110 or AHR 113
			ISC 112	Industry Safety	2	
3rd Semester						
			COM 231	Public Speaking	3*	DRE 096
			ENG 111	Writing and Inquiry	3*	DRE 098
						CIS 070 or CIS 110

4 th Semester							
			AHR 211	Residential System Design	3		
			AHR 212	Advanced Comfort Systems	4	AHR 114	
			AHR 213	HVACR Building Code	2		
			ELC 113	Residential Wiring	4		
			HUM 115	Critical Thinking	3*	DRE 098	
			POL 120	American Government	3*	DRE 096	

5 th Semester							
			AHR 120	HVACR Maintenance	2		
			AHR 160	Refrigerant Certification	1		
			AHR 215	Commercial HVAC Controls	2	AHR 111 or ELC 111 or ELC 112	
			BPR 130	Print Reading-Construction	3		
			BUS 230	Small Business Management	3		

TOTAL PROGRAM HOURS REQUIRED =					67		
Total Developmental Hours Required * =							
Total Hours Required =							

* Hours may be required as indicated by placement scores increasing the number of semester hours required for program completion.

Notes:

_____				_____			
<i>Student Signature</i>				<i>Date</i>			
_____				_____			
<i>Advisor/Counselor Signature</i>				<i>Date</i>			