

Air Conditioning & Refrigeration (ACR) Certificate M.A.P.

Semester	Suggested Courses		Semester(s) Offered*	Credit Hrs.
Semester 1 17 credit hours	ACR 111	Principles of Refrigeration	Fall	3
	ACR 112	HVACR Service Procedures	Fall	3
	ACR 113	Refrigeration Piping Practices	Fall	3
	ACR 132	Residential Air Conditioning	Fall	3
	MTH 100 or	Intermediate College Algebra <i>or</i>	Fall, Spring, Summer	3
	MTH 116	Mathematical Applications		
	ORI 101	Orientation to College	Fall, Spring, Summer	2
Semester 2 15 credit hours	ACR 121	Principles of Electricity for HVACR	Spring	3
	ACR 122	HVACR Electric Circuits	Spring	3
	ACR 123	HVACR Electrical Components	Spring*	3
	ACR 147	Refrigeration Transition & Recovery	Spring	3
		(Recommended ACR Elective)		
	ENG 101	English Composition I	Fall, Spring, Summer	3
Semester 3 12 credit hours	ACR 148	Heat Pumps I (Recommended ACR Elective)	Summer	3
	ACR 128	Heat Load Calculations	Summer	3
		(Recommended ACR Elective)		
	ACR 205	System Sizing and Air Distribution	Summer	3
		(Recommended ACR Elective)		
	SPH 106 <i>or</i>	Fundamentals of Oral Communication or	Fall, Spring, Summer	3
	SPH 107	Fundamentals of Public Speaking		
Semester 4 9 credit hours	ACR 210	Troubleshooting HVACR Systems	Fall	3
		(Recommended ACR Elective)		
	ACR 135	Mechanical/Gas/Safety Codes	Fall	3
		(Recommended ACR Elective)		
	ACR 138	Customer Relation in HVAC	Fall	3
Semester 5	ACR 125	Fund Gas and Elec Heating Systems	Spring	6
6 credit hours		(Recommended ACR Elective)		
ACR Certificate				
Achieved				
			Total Hours	56-59

Part-time students and full-time students desiring to begin the ACR program of study during a spring or summer semester should consult with an academic advisor to establish an alternate degree completion pathway.

^{*}Course(s) may be offered in additional semesters but are only assured to run in the semester(s) indicated. It is *highly* recommended that course(s) be completed in the semester(s) indicated.