

Air Conditioning and Refrigeration Short-Term Certificate

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NOTICE(s): For the short-term certificate in Air Conditioning and Refrigeration, the student must complete a minimum of 29 credit hours from the courses below - all of which must be approved by the advisor. Admission Requirement: High school diploma or GED.

The courses in this program of study may not be offered every semester. It is important to consult with your advisor to determine course schedules to stay on track to graduate.

Area V – Required courses

Item #	Title	Hours
ACR 111	Principles of Refrigeration	3
ACR 112	HVACR Service Procedures	3
ACR 113	Refrigeration Piping Practices	3
ACR 121	Principles of Electricity for HVACR	3
ACR 122	HVACR Electric Circuits	3
ACR 123	HVAC/R Electrical Components	3
ORI 101	Orientation to College	1
WKO 101	Workplace Skills Development I	1
	Sub-Total Credits	20

Area V - Additional Coursework

Choose 9 credit hours from the list below:

Item #	Title	Hours
ACR 119	Fundamentals of Gas Heating Systems	3
ACR 120	Fundamentals of Electric Heating Systems	3
ACR 128	Heat Load Calculations	3
ACR 147	Refrigerant Transition and Recovery Theory	3
ACR 148	Heat Pump Systems I	3
ACR 200	Review for Contractors Exam	3
ACR 210	Troubleshooting HVACR Systems	3
	Sub-Total Credits	21
		29