

# Long-Term Certificate

## Program

Air Conditioning & Refrigeration Technology

## Degree Type

Long-Term Certificate

## Location

Hamilton & Sumiton Campuses

## Orientation

Item #	Title	Credits
ORI 107	STUDENT SURVIVAL SKILLS	1

## Field of Study Courses

Item #	Title	Credits
ACR 111	PRINCIPLES OF REFRIGERATION	3
ACR 112	HVAC/R SERVICE PROCEDURES	3
ACR 113	REFRIGERATION PIPING PRACTICES	3
ACR 119	FUNDAMENTALS OF GAS HEATING SYSTEMS	3
ACR 121	PRINCIPLES OF ELECTRICITY FOR HVAC/R	3
ACR 122	HVAC/R ELECTRICAL CIRCUITS	3
ACR 123	HVAC/R ELECTRICAL COMPONENTS	3
ACR 128	HEAT LOAD CALCULATIONS	3
ACR 132	RESIDENTIAL AIR CONDITIONING	3
ACR 147	REFRIGERATION TRANSITION & RECOVERY THEORY	3
ACR 148	HEAT PUMPS SYSTEMS I	3

## Field of Study Electives

Select 3 courses from the following offerings

Item #	Title	Credits
ACR 120	FUNDAMENTALS OF ELECTRIC HEATING SYSTEMS	3
ACR 126	COMMERCIAL HEATING SYSTEMS	3
ACR 127	HVAC/R ELECTRIC MOTORS	3
ACR 133	DOMESTIC REFRIGERATION	3
ACR 134	ICE MACHINES	3
ACR 144	BASIC DRAWING AND BLUEPRINT READING IN HVAC	3
ACR 153	FUNDAMENTALS OF PROPANE SYSTEMS	3
ACR 192	HVAC Apprenticeship/Internship	3
ACR 200	REVIEW FOR CONTRACTORS EXAM	3
ACR 209	COMMERCIAL AIR CONDITIONING SYSTEMS	3
ACR 210	TROUBLESHOOTING HVAC/R SYSTEMS	3
WKO 110	NCCER CORE	3

# General Studies Courses

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ENG 101	ENGLISH COMPOSITION I	3
	MTH 116 or Higher	3
	<b>Total Credits</b>	<b>49</b>