

Air Conditioning Technology

Installing and servicing heating, air conditioning and refrigeration equipment is the focus of this program. Academic courses, theory courses and laboratory experiences are designed to promote success in the air conditioning field.

Associate in Applied Science

General Education Required:

			Credit	Date Completed
COM	181	Basic Public Speaking	3	
MT	150	College Algebra and Functions OR	3	
		Any Higher-Level Mathematics Course	(3)	
PH	171	Applied Physics	4	
PY	110	General Psychology OR	3	
PSY	100	Introduction to Psychology OR	(4)	
SOC	101	Introduction to Sociology	(3)	
ENG	101	Writing I	3	
		Heritage/Humanities	3	
Subtotal			19-20	

Required:

ACR	100	Refrigeration Fundamentals	3	
ACR	101	Refrigeration Fundamentals Lab	2	
ACR	102	HVAC Electricity	3	
ACR	103	HVAC Electricity Lab	2	
		Technical Elective	(3)	
ACR	130	Electrical Components	3	
ACR	131	Electrical Components Lab	2	
ACR	170	Heat Load/Duct Design	3	
ACR	250	Cooling and Dehumidification	3	
ACR	251	Cooling and Dehumidification Lab	2	
ACR	260	Heating and Humidification	3	
ACR	261	Heating and Humidification Lab	3	
ACR	270	Heat Pump Application	3	
ACR	271	Heat Pump Application Lab	2	
ACR	290	Journeyman Preparation	3	
ACR	299	Cooperative Education Program	2	
CPU	100	Introduction to Computers OR	3	
CIS	100	Introduction to Computers	(3)	
		Technical Electives	8	
Subtotal			48-50	
Total Credit Hours			67-70	

Diploma

Heating, Ventilation, and Air Conditioning Mechanic

Required:		Credit	Date Completed
ACR 100	Refrigeration Fundamentals	3	
ACR 101	Refrigeration Fundamentals Lab	2	
ACR 102	HVAC Electricity	3	
ACR 103	HVAC Electricity Lab	2	
	Technical Elective	(3)	
ACR 130	Electrical Components	3	
ACR 131	Electrical Components Lab	2	
ACR 170	Heat Load/Duct Design	3	
ACR 250	Cooling and Dehumidification	3	
ACR 251	Cooling and Dehumidification Lab	2	
ACR 260	Heating and Humidification	3	
ACR 261	Heating and Humidification Lab	3	
ACR 270	Heat Pump Application	3	
ACR 271	Heat Pump Application Lab	2	
ACR 290	Journeyman Preparation	3	
ACR 299	Cooperative Education Program	2	
CPU 100	Introduction to Computers	3	
MT 110	Applied Mathematics	3	
EFM 100	Personal Financial Management	(3)	
WPP 200	Workplace Principles OR	3	
EFM 100	Personal Financial Management	(3)	
	Technical Electives	8	
Total Credit Hours		54-56	

Certificates

Environmental Control System Servicer

Required:		Credit	Date Completed
ACR 100	Refrigeration Fundamentals	3	
ACR 101	Refrigeration Fundamentals Lab	2	
ACR 102	HVAC Electricity	3	
ACR 103	HVAC Electricity Lab	2	
	Technical Elective	(3)	
ACR 130	Electrical Components	3	
ACR 131	Electrical Components Lab	2	
ACR 250	Cooling and Dehumidification	3	
ACR 251	Cooling and Dehumidification Lab	2	
ACR 260	Heating and Humidification	3	
ACR 261	Heating and Humidification Lab	3	
Total Credit Hours		24-26	

Environmental System Repair Helper

Required:		Credit	
ACR 100	Refrigeration Fundamentals	3	
ACR 101	Refrigeration Fundamentals Lab	2	
ACR 102	HVAC Electricity	3	
ACR 103	HVAC Electricity Lab	2	
ACR 130	Electrical Components AND	(3)	
ACR 131	Electrical Components Lab	(2)	
Total Credit Hours		9-13	

Domestic Air Conditioner and Furnace Installer

Required:		Credit	Date Completed
ACR 100	Refrigeration Fundamentals 3	3	
ACR 101	Refrigeration Fundamentals Lab 2	2	
ACR 102	HVAC Electricity 3	3	
ACR 103	HVAC Electricity Lab OR 1	2	
	Technical Elective (3)	(3)	
ACR 130	Electrical Components 3	3	
ACR 131	Electrical Components Lab 2	3	
ACR 170	Heat Load/Duct Design 3	3	
ACR 250	Cooling and Dehumidification 3	3	
ACR 251	Cooling and Dehumidification Lab 2	2	
ACR 260	Heating and Humidification 3	3	
ACR 261	Heating and Humidification Lab 2	3	
ACR 270	Heat Pump Application 3	3	
ACR 271	Heat Pump Application Lab 2	3	
ACR 290	Journeyman Preparation 3	3	
Total Credit Hours		35-37	

Refrigeration Mechanic

Required:		Credit	
ACR 100	Refrigeration Fundamentals	3	
ACR 101	Refrigeration Fundamentals Lab	2	
ACR 102	HVAC Electricity	3	
ACR 103	HVAC Electricity Lab OR	2	
	Technical Elective	(3)	
ACR 130	Electrical Components	3	
ACR 131	Electrical Components Lab	2	
ACR 200	Commercial Refrigeration	3	
ACR 201	Commercial Refrigeration Lab	2	
ACR 210	Ice Machines	3	
ACR 250	Cooling and Dehumidification	3	
ACR 251	Cooling and Dehumidification Lab	2	
Total Credit Hours		27-29	