



Air Conditioning Technology Heating, Ventilation, and Air Conditioning Mechanic Semester Plan

FIRST YEAR COURSE SCHEDULE				
	Credits		Credits	
First Semester		Second Semester		
ACR 100-Refrigeration Fundamentals	3	ACR 200-Commercial Refrigeration (Elective)**	3	
ACR 101-Refrigeration Fundamentals	2	ACR 201-Commercial Refrigeration Lab (Elective)**	2	
ACR 102-HVAC Electricity AND ACR 103-HVAC Electricity Lab OR Comparable Electrical Course	3 2 (4-5)	ACR 250-Cooling & Dehumidification	3	
ACR 130-Electrical Components	3	ACR 251-Cooling & Dehumidification Lab	2	
ACR 131-Electrical Components ab	2	ACR 260-Heating & Dehumidification	3	
		ACR 261-Heating & Dehumidification Lab	2	
Total Credit Hours	15-20	Total Credit Hours	15	

SECOND YEAR COURSE SCHEDULE				
	Credits		Credits	
Third Semester		Fourth Semester		
ACR 210 Ice Machines (Elective)**	3	ACR 170 Heat Load/Duct Design	3	
ACR 270-Heat Pump Application	3	ACR 290-Journeyman Preparation (Elective)**	3	
ACR 271-Heat Pump Application Lab	2	General Education ¹	3	
General Education ¹	3	Digital Literacy ²	3	
	3	ACR 291 or ACR 298	1-2	
Total Credit Hours	11	Total Credit Hours	13-14	
		Total Credit Hours for Diploma	48-55	

Completion of Diploma or Additional Requirements for AAS/GOTS Degree			
General Education Component	Credits	Technical Component	Credits
Quantitative Reasoning	3	Technical Core**	34-40
Natural Sciences	3	Electives	9-11
Social/Behavioral Sciences	3	Subtotal	42-48
Heritage/Humanities	3	Total Credits for Degree (including General Education)	58-64
Written Communication	3		
Subtotal	15		

Note: Credit earned through certificate and diploma program/completion will be applicable toward the Associate of Applied Science in General Occupational/Technical Studies degree when consistent with the objectives of the student's individual plan of study.

***Comparable Electrical Courses (Number of Credit Hours)**

EET 154 Electrical Construction I (2) **AND** EET 155 Electrical Construction I Lab(2)

OR

ETT 112 Basic Electrical Theory: Telenetworking (3) **AND** ETT 113 Basic Electrical Theory Lab(1)

OR

ELT 110 Circuits I (5)

OR

IMT 110 Industrial Maintenance Electrical Principles (3) **AND** IMT 111 Industrial Maintenance Electrical Principles Lab(2)