SPRING 2012 **Air Conditioning Technology**

___Associate in Applied Science 60-66 credit hours

___ Diploma – Heating, Ventilation & Air Conditioning Mechanic 47-54 credit hours

Student Name: _____ Empl ID# _____

___AAS - General Education Requirements (18-21 credits) & **Technical Core Requirements** (42-45 credits)

General Education Courses Required	**Hrs**	**Grade**	**Semester**
ENG 101 - Writing I	3		
Oral Communications	3		
Heritage or Humanities or Foreign Language	3		
Mathematics (MAT 105, MAT 110, MAT 116, MAT 126 or higher level mathematics)	3		
Science	3		
Social Interaction	3		
Computer literacy course or skill demonstrated by competency exam	0-3		
Technical Courses Required	**Hrs**	**Grade**	**Semester**
ACR 100 Refrigeration Fundamentals	3		
ACR 101 Refrigeration Fundamentals Lab	2		
ACR 102 HVAC Electricity and ACR 103 HVAC Electricity Lab or comparable AIIT electrical course	4-5		
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 & Humidification	3		
ACR 261 Heating & Humidification Lab	3		
ACR 270 Heat Pump Application	3		
ACR 271 Heat Pump Application Lab	2		
Technical Electives (*Choose from suggested courses: ACR 112 & ACR 113, BAS 160, ACR 290, ACR 291, ACR 293, ACR 295, ACR 298, ACR 299)*	9-11		

____ Diploma - General Education and Technical Core Requirements (47-54 credits)

Course Required	**Hrs**	**Grade**	**Semester**
Area I = Writing or Oral Communications or Humanities or Heritage or Foreign Language	3		
Area 2 = Social Science or Behavioral Science or Natural/Applied Science or Mathematics	3		
Area 3 = Computer Literacy course or skill demonstrated by competency exam	0-3		
ACR 100 Refrigeration Fundamentals	3		
ACR 101 Refrigeration Fundamentals Lab	2		
ACR 102 HVAC Electricity and ACR 103 HVAC Electricity Lab or comparable AIIT electrical course	4-5		
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 & Humidification	3		
ACR 261 Heating & Humidification Lab	3		
ACR 270 Heat Pump Application	3		
ACR 271 Heat Pump Application Lab	2		
Technical Electives (*Choose from suggested courses: ACR 112 & ACR 113, BAS 160, ACR 290, ACR 291, ACR 293, ACR 295, ACR 298, ACR 299)*	8-11		

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Madisonville

HIGHER EDUCATION BEGINS HERE

Air Conditioning Technology

Associate in Applied Science (60-66 credits)

Diploma - Heating, Ventilation and Air Conditioning Mechanic (47-54 credits)

AAS - SAMPLE SCHEDULING PLAN	
First Fall Semester Total: 13-16 credits ACR 100 & ACR 101 (*no prerequisites*) ACR 102 & ACR 103 (*no prerequisites*) CIS 100 or demonstration of competency by exam General Education course	Second Fall Semester Total: 14 credits ACR 260 & ACR 261 ACR 270 & ACR 271 General Education course
First Spring Semester Total: 15 credits ACR 130 & ACR 131 ACR 250 & ACR 251 Technical Electives* (*5 credit hours - suggested ACR 112 & ACR 113)	Second Spring Semester Total: 15 credits ACR 170 (*no prerequisites*) General Education course Technical Electives* (* 6 credit hours - choose from BAS 160, ACR 290, ACR 291, ACR 293, ACR 295, ACR 298, ACR 299)
First Summer Semester Total: 6 credits General Education course General Education course	

Diploma - SAMPLE SCHEDULING PLAN	
First Fall Semester Total: 14-18 credits ACR 100 & ACR 101 (*no prerequisites*) ACR 102 & ACR 103 (*no prerequisites*) or AIIT Electrical course Technical Electives* (*5 credit hours - suggested ACR 112 & ACR 113) Area 3 = Computer Literacy course or skill demonstrated by competency exam	First Summer Semester Total: 6 credits Area 1 = Writing or Oral Communication or Humanities or Heritage or Foreign Language Area 2= Social Science or Behavioral Science or Natural Science or Mathematics
First Spring Semester Total: 13 credits ACR 130 & ACR 131 ACR 250 & ACR 251 ACR 170 (*no prerequisites*)	Second Fall Semester Total: 14-17 credits ACR 260 & ACR 261 ACR 270 & ACR 271 ACR Technical Electives* (*3-6 credits - choose from BAS 160, ACR 290, ACR 291, ACR 293, ACR 295, ACR 298, ACR 299)

Program Coordinator's Notes:

For students starting in a SPRING semester, they should build their semester schedule from the following courses: ACR 100 & ACR 101, AIIT Electrical course equivalent to ACR 102 & ACR 103, technical electives and general education courses/areas.