

Air Conditioning Technology

Student Name _____

Enrollment Date _____ Academic Year _____

Emplid _____ Scores: Math _____

Reading _____

Writing _____

Progression in the Air Conditioning Technology program is contingent upon achievement of a grade of C or greater in each technical course and maintenance of a 2.0 cumulative grade point average or above (on a 4.0 scale).

Additional Expenses: EPA Certification Test fee of \$40.00 required

CERTIFICATE – ENVIRONMENTAL SYSTEM REPAIR HELPER:

9-10 Total Credit Hours

Required Scores: None	Cr Hr	Grade
ACR 100 Refrigeration Fundamentals <i>Coreq: ACR 101</i>	3	
ACR 101 Refrigeration Fundamentals Lab <i>Coreq: ACR 100</i>	2	
ACR 102 HVAC Electricity (or ACR 130) <i>Coreq: ACR 103</i>	3	
AND		
ACR 103 HVAC Electricity Lab (or ACR 131) <i>Coreq: ACR 102</i>	2	
OR		
Comparable Electrical Course: (EET 154 and EET 155) or (ETT 112 and ETT 113) or (ELT 110 and ELT 114) or (IMT 110 and IMT 111)		

CERTIFICATE – DOMESTIC AIR CONDITIONER AND FURNACE

INSTALLER: 37-38 Total Credit Hours

Required Scores: Pre-Algebra–42 / Reading–80 / Writing–64	Cr Hr	Grade
GEN 100 Introduction to College (<i>No prerequisite</i>)	1	
ACR 100 Refrigeration Fundamentals <i>Coreq: ACR 101</i>	3	
ACR 101 Refrigeration Fundamentals Lab <i>Coreq: ACR 100</i>	2	
ACR 102 HVAC Electricity (or ACR 130) <i>Coreq: ACR 103</i>	3	
AND		
ACR 103 HVAC Electricity Lab (or ACR 131) <i>Coreq: ACR 102</i>	2	
OR		
Comparable Electrical Course: (EET 154 and EET 155) or (ETT 112 and ETT 113) or (ELT 110 and ELT 114) or (IMT 110 and IMT 111)		
ACR 130 Electrical Components <i>Prereq: ACR 102 with a grade of C or greater</i> <i>Coreq: ACR 131</i>	3	
ACR 131 Electrical Components Lab <i>Prereq: ACR 102 with a grade of C or greater</i> <i>Coreq: ACR 130</i>	2	
ACR 170 Heat Load/Duct Design <i>No prerequisite</i> <i>Rec. (ACR 100 and ACR 101) with a grade of C or greater</i>	3	
ACR 250 Cooling and Dehumidification <i>Prereq: (ACR 100 and ACR 101) with a grade of C or greater</i> <i>Coreq: ACR 251</i>	3	
ACR 251 Cooling and Dehumidification Lab <i>Prereq: (ACR 100 and ACR 101) with a grade of C or greater</i> <i>Coreq: ACR 250</i>	2	
ACR 260 Heating and Humidification <i>Prereq: (ACR 102 and ACR 103) with a grade of C or greater</i> <i>Coreq: ACR 261</i>	3	
ACR 261 Heating and Humidification Lab <i>Prereq: (ACR 102 and ACR 103) with a grade of C or greater</i> <i>Coreq: ACR 260</i>	3	
ACR 270 Heat Pump Application <i>Prereq: ((ACR 100 and ACR 102) with a grade of C or greater) or</i> <i>Consent of Instructor</i> <i>Coreq: ACR 271</i>	3	
ACR 271 Heat Pump Application Lab <i>Prereq: ((ACR 100 and ACR 102) with a grade of C or greater) or</i> <i>Consent of Instructor</i> <i>Coreq: ACR 270</i>	2	
ACR 290 Journeyman Preparation <i>(This class should be taken at the end of the program)</i> <i>(Not required for Diploma or Degree – can be taken as technical elective)</i>	3	

(RELATED) CERTIFICATE – PLUMBER'S HELPER: 9 Total

Credit Hours

Required Scores: None	Cr Hr	Grade
PLB 100 Basic Theory of Plumbing (or PLB 150) <i>No prerequisite</i>	3	
PLB 105 Plumbing Principles (or PLB 151) <i>No prerequisite</i>	3	
Electives (sub any ACR or ACR technical elective course) <i>Rec. BA 120 or IS 100</i>	3	

CERTIFICATE – REFRIGERATION MECHANIC: 28-29 Total

Credit Hours

Required Scores: Pre-Algebra–42 / Reading–80 / Writing–64	Cr Hr	Grade
GEN 100 Introduction to College <i>No prerequisite</i>	1	
ACR 100 Refrigeration Fundamentals <i>Coreq: ACR 101</i>	3	
ACR 101 Refrigeration Fundamentals Lab <i>Coreq: ACR 100</i>	2	
ACR 102 HVAC Electricity <i>Coreq: ACR 103</i>	3	
AND		
ACR 103 HVAC Electricity Lab <i>Coreq: ACR 102</i>	2	
OR		
Comparable Electrical Course: (EET 154 and EET 155) or (ETT 112 and ETT 113) or (ELT 110 and ELT 114) or (IMT 110 and IMT 111)		
ACR 130 Electrical Components <i>Prereq: ACR 102 with a grade of C or greater</i> <i>Coreq: ACR 131</i>	3	
ACR 131 Electrical Components Lab <i>Prereq: ACR 102 with a grade of C or greater</i> <i>Coreq: ACR 130</i>	2	
ACR 200 Commercial Refrigeration <i>Prereq: (ACR 100 and ACR 101) with a grade of C or greater</i> <i>Coreq: ACR 201</i>	3	
ACR 201 Commercial Refrigeration Lab <i>Prereq: (ACR 100 and ACR 101) with a grade of C or greater</i> <i>Coreq: ACR 200</i>	2	
ACR 210 Ice Machines <i>Prereq: (ACR 100 and ACR 102) with a grade of C or greater</i>	3	
ACR 250 Cooling and Dehumidification <i>Prereq: (ACR 100 and ACR 101) with a grade of C or greater</i> <i>Coreq: ACR 251</i>	3	
ACR 251 Cooling and Dehumidification Lab <i>Prereq: (ACR 100 and ACR 101) with a grade of C or greater</i> <i>Coreq: ACR 250</i>	2	

CERTIFICATE – ENVIRONMENTAL CONTROL SYSTEM

SERVICER: 26-27 Total Credit Hours

Required Scores: Pre-Algebra–42 / Reading–80 / Writing–64	Cr Hr	Grade
GEN 100 Introduction to College <i>No prerequisite</i>	1	
ACR 100 Refrigeration Fundamentals <i>Coreq: ACR 101</i>	3	
ACR 101 Refrigeration Fundamentals Lab <i>Coreq: ACR 100</i>	2	
ACR 102 HVAC Electricity <i>Coreq: ACR 103</i>	3	
AND		
ACR 103 HVAC Electricity Lab <i>Coreq: ACR 102</i>	2	
OR		
Comparable Electrical Course: (EET 154 and EET 155) or (ETT 112 and ETT 113) or (ELT 110 and ELT 114) or (IMT 110 and IMT 111)		
ACR 130 Electrical Components <i>Prereq: ACR 102 with a grade of C or greater</i> <i>Coreq: ACR 131</i>	3	
ACR 131 Electrical Components Lab <i>Prereq: ACR 102 with a grade of C or greater</i> <i>Coreq: ACR 130</i>	2	
ACR 250 Cooling and Dehumidification <i>Prereq: (ACR 100 and ACR 101) with a grade of C or greater</i> <i>Coreq: ACR 251</i>	3	
ACR 251 Cooling and Dehumidification Lab <i>Prereq: (ACR 100 and ACR 101) with a grade of C or greater</i> <i>Coreq: ACR 250</i>	2	
ACR 260 Heating and Humidification <i>Prereq: (ACR 102 and ACR 103) with a grade of C or greater</i> <i>Coreq: ACR 261</i>	3	
ACR 261 Heating and Humidification Lab <i>Prereq: (ACR 102 and ACR 103) with a grade of C or greater</i> <i>Coreq: ACR 260</i>	3	

DIPLOMA - HEATING, VENTILATION, AND AIR CONDITIONING MECHANIC: (DOMESTIC AIR CONDITIONER AND FURNACE INSTALLER CERTIFICATE (34-35 Hours) PLUS 8-11 hours in technical electives PLUS 6-9 additional credit hours in General Education): 48-55 Total Credit Hours

Required Scores: Algebra – 25 / Reading – 85 / Writing – 74	Cr Hr	Grade	Course(s)
Recommended Electives: ACR 200, ACR 201, ACR 290, PLB 100, PLB 105, WLD 120, WLD 121	8-11		
General Education			
Area 1 = Writing / Accessing Information, Oral Communication or Heritage / Humanities / Foreign Languages <i>Rec. ENG 101 or COM 181 or COM 252</i>	3		
Area 2 = Science or Mathematics <i>Rec. MAT 110 or higher level mathematics (excluding MAT 120) or Science course</i>	3		
Area 3 = Computer Literacy course or competency demonstrated by exam <i>Rec. CIS 100</i>	0-3		

GENERAL OCCUPATIONAL / TECHNICAL STUDIES AAS DEGREE: (DOMESTIC AIR CONDITIONER AND FURNACE INSTALLER CERTIFICATE (34-35 Hours) PLUS 8-11 hours in technical electives PLUS 15-18 additional credit hours in General Education): 57-64 Total Credit Hours

Required Scores: Algebra – 25 / Reading – 85 / Writing – 74	Cr Hr	Grade	Course(s)
Recommended Electives: ACR 200, ACR 201, ACR 290, PLB 100, PLB 105, WLD 120, WLD 121	8-11		
General Education			
Computer Literacy course or competency demonstrated by exam <i>Rec. CIS 100</i>	0-3		
Heritage / Humanities / Foreign Languages <i>Prereq: See Compass / ACT score requirement</i>	3		
Mathematics <i>Rec. MAT 110 or higher level mathematics (excluding MAT 120)</i>	3		
Science <i>Prereq: See Compass / ACT score requirement</i>	3		
Social Interaction <i>Prereq: See Compass / ACT score requirement</i>	3		
Writing / Accessing Information <i>Rec. ENG 101</i>	3		

Developmental Math	Cr Hr
MAT 55 – Pre-Algebra <i>Compass score 24-41 in Pre-Algebra</i>	3
MAT 65 – Basic Algebra <i>Compass score 16-30 in Algebra</i>	3
MAT 120 – Intermediate Algebra <i>Compass score 31-35 in Algebra</i>	3
MAT 100 – College Algebra Workshop <i>Compass score 36-49 in Algebra / ACT 19-21 - enroll concurrent in College Algebra (MAT 150)</i>	2
Developmental Writing	
ENC 90 – Foundations of College Writing I <i>Compass score 26-38</i>	3
ENC 91 – Foundations of College Writing II <i>Compass score 39-73</i>	3
Developmental Reading	
RDG 20 – Improved College Reading <i>Compass score 49-69</i>	3
RDG 30 – Reading for the College Classroom <i>Compass score 70-82</i>	3
RDG 41 – Reading Laboratory <i>Compass score 83-84</i>	1

Developmental Courses: Once students complete and pass a developmental course with a grade of 'C' or higher, they have the option of retesting or moving into the next level of developmental. Once students have completed and passed ALL levels of developmental, they can be placed into General Education courses, including College Algebra, and are not required to retest.

I have reviewed this advising sheet with my advisor and understand course requirements and preferred sequence of courses necessary to complete a credential. Also, I do understand that there may be course changes with future curriculum revisions that may affect a change in course requirements listed on this sheet.

Student: _____	Student: _____	Student: _____
Advisor: _____	Advisor: _____	Advisor: _____
Date: _____	Date: _____	Date: _____
Student: _____	Student: _____	Student: _____
Advisor: _____	Advisor: _____	Advisor: _____
Date: _____	Date: _____	Date: _____