

# Gateway S.M.A.R.T. Plan

## Certificates: Air Conditioning Technology

Additional Expenses: EPA Certification Test fee of \$45.00 required. 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.

### Domestic Air Conditioner and Furnace Installer: 37 Total Credit Hours

Courses	Cr	Grade	Offered
ACR 100 Refrigeration Fundamentals (first eight weeks)	3		Fall/Spring
ACR 101 Refrigeration Fundamentals Lab (first eight weeks)	2		Fall/Spring
ACR 102 HVAC Electricity (second eight weeks)*	3		Fall/Spring
ACR 103 HVAC Electricity Lab (second eight weeks)*	2		Fall/Spring
ACR 130 Electrical Components	3		Fall/Spring
ACR 131 Electrical Components Lab	2		Fall/Spring
ACR 170 Heat Load/Duct Design	3		Fall/Spring
ACR 250 Cooling and Dehumidification	3		Fall/Spring
ACR 251 Cooling and Dehumidification Lab	2		Fall/Spring
ACR 260 Heating and Humidification	3		Fall/Spring
ACR 262 Heating and Humidification Lab	2		Fall/Spring
ACR 270 Heat Pump Application	2		Fall/Spring
ACR 271 Heat Pump Application Lab	3		Fall/Spring
ACR 290 Journeyman Preparation**	3		Spring

### Environmental Control System Servicer: 25 Total Credit Hours

Courses	Cr	Grade	Offered
ACR 100 Refrigeration Fundamentals (first eight weeks)	3		Fall/Spring
ACR 101 Refrigeration Fundamentals Lab (first eight weeks)	2		Fall/Spring
ACR 102 HVAC Electricity (second eight weeks)*	3		Fall/Spring
ACR 103 HVAC Electricity Lab (second eight weeks)*	2		Fall/Spring
ACR 130 Electrical Components	3		Fall/Spring
ACR 131 Electrical Components Lab	2		Fall/Spring
ACR 250 Cooling and Dehumidification	3		Fall/Spring
ACR 251 Cooling and Dehumidification Lab	2		Fall/Spring
ACR 260 Heating and Humidification	3		Fall/Spring
ACR 262 Heating and Humidification Lab	2		Fall/Spring

### Environmental System Repair Helper: 10 Total Credit Hours

Courses	Cr	Grade	Offered
ACR 100 Refrigeration Fundamentals (first eight weeks)	3		Fall/Spring
ACR 101 Refrigeration Fundamentals Lab (first eight weeks)	2		Fall/Spring
ACR 102 HVAC Electricity (second eight weeks)*	3		Fall/Spring
ACR 103 HVAC Electricity Lab (second eight weeks)*	2		Fall/Spring

### Plumber's Helper: 9 Total Credit Hours

Courses	Cr	Grade	Offered
PLB 100 Basic Theory of Plumbing	3		Fall



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Courses	Cr	Grade	Offered
PLB 105 Plumbing Principles	3		Spring
Elective (rec. any ACR or ACR technical elective course) (rec. ISX 101 Intro to Industrial Safety <b>or</b> BAS 120 Personal Finance also be taken)	3		Fall/Spring

### Refrigeration Mechanic: 28 Total Credit Hours

Courses	Cr	Grade	Offered
ACR 100 Refrigeration Fundamentals (first eight weeks)	3		Fall/Spring
ACR 101 Refrigeration Fundamentals Lab (first eight weeks)	2		Fall/Spring
ACR 102 HVAC Electricity (second eight weeks)*	3		Fall/Spring
ACR 103 HVAC Electricity Lab (second eight weeks)*	2		Fall/Spring
ACR 130 Electrical Components	3		Fall/Spring
ACR 131 Electrical Components Lab	2		Fall/Spring
ACR 200 Commercial Refrigeration	3		Summer
ACR 201 Commercial Refrigeration Lab	2		Summer
ACR 210 Ice Machines	3		Spring
ACR 250 Cooling and Dehumidification	3		Fall/Spring
ACR 251 Cooling and Dehumidification Lab	2		Fall/Spring

### Notes

- \* Comparable Electric Courses: EET 154/155 or (ELT 110 and ELT 114) or IMT 110/111
- \*\*ACR 290 Journeyman Prep is only offered during the Spring semester but should be taken only during third or last semester of program.
- Progression in the program is contingent upon achievement of a grade of C or greater in each technical course and maintenance of a 2.0 cumulative GPA or above (on a 4.0 scale).
- At least 25 percent of the approved curriculum for any certificate, diploma or degree must be completed at the student's home college.

Updated 11/1/21

