

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

Associate in Applied Science: Air Conditioning Technology (HVAC)

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

Recommended Semester 1

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
Digital Literacy - CIT 105 Introduction to Computers or OST 105 Introduction to Office Systems (or Competency demonstrated by exam)	0-3		All
ENG 101 Writing I	3		All

Recommended Semester 2

Courses	Cr	Grade	Offered
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 260 Heating and Humidification	3		Fall/Spring
ACR 262 Heating and Humidification Lab	2		Fall/Spring
MAT 110 Applied Mathematics (or higher level Quantitative Reasoning course)	3		All

Recommended Semester 3

Courses	Cr	Grade	Offered
ACR 250 Cooling and Dehumidification	3		Fall/Spring
ACR 251 Cooling and Dehumidification Lab	2		Fall/Spring
ACR 270 Heat Pump Application	3		Fall/Spring
ACR 271 Heat Pump Application Lab	2		Fall/Spring
ACR 290 Journeyman Prep	3		Fall/Spring
Natural Science General Education course	3		All
Technical Elective (rec. PLB 105 Plumbing Principles)	3		Fall/Spring

Recommended Semester 4

Courses	Cr	Grade	Offered
Heritage or Humanities General Education course	3		All
Social/Behavioral Science General Education course	3		All
Technical Elective(s) (rec EGY 240 Energy Efficiency and Analysis)	4		Fall/Spring
Technical Elective(s) (rec. PLB 100 Basic Theory of Plumbing)	3		Fall



Notes

- * Comparable Electric Courses: EET 154/155 or (ELT 110 and ELT 114) or IMT 110/111
- ** ACR 290 Journeyman Prep is highly recommended as it is required as the exit exam for Air Conditioning program
- Other courses may be substituted at the discretion of the program coordinator (10 credit hours technical electives required).
- Progression in the program is contingent upon achievement of a grade of C or greater in each technical course, (including those selected as technical electives), 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 2/11/21

