

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

Associate in Applied Science/General Occupational/Technical Studies: 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.

Pre-requisite Courses

Courses	Cr	Grade	Offered
None			
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
ENG 101 Writing I	3		All
Computer/Digital Literacy Course (CIT 105 / OST 105) or Competency demonstrated by exam	0-3		All

*Comparable Electric Courses: EET 154 + 155 or (ELT 110 and ELT 114) or IMT 110 + 111

Courses	Cr	Grade	Offered
ACR 130 Electrical Components	3		Fall
ACR 131 Electrical Components Lab	2		Fall
ACR 260 Heating and Humidification	3		Fall
ACR 262 Heating and Humidification Lab	2		Fall
ACR 170 Heat Load/Duct Design	3		Fall
MAT 110 Applied Mathematics (or MAT 116 or MAT 126 or higher level mathematics)	3		All

Courses	Cr	Grade	Offered
ACR 250 Cooling and Dehumidification	3		Spring
ACR 251 Cooling and Dehumidification Lab	2		Spring
ACR 270 Heat Pump Application	3		Spring
ACR 271 Heat Pump Application Lab	2		Spring
Technical Elective rec PLB 105 Plumbing Principles or ACR 290 Journeyman Prep**	3		Spring
Natural Science General Education course (rec. BIO 120)	3		All

**ACR 290 Journeyman Prep is highly recommended as it is required as the exit exam for Air Conditioning program

Courses	Cr	Grade	Offered
Technical Elective(s) rec. PLB 100 Basic Theory of Plumbing	3		Fall
Technical Elective(s) rec EGY 240 Energy Efficiency and Analysis	4		Fall/Spring
Social/Behavioral Science General Education course (rec. SOC 101)	3		All
Heritage or Humanities General Education course	3		All
COM 181 Basic Public Speaking (or COM 252)	3		All

Note

Progression in the Air Conditioning Technology 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 grade point average or above (on a 4.0 scale).

Updated 1/31/17



KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM