

COURSES

PDF AIR CONDITIONING

AC102 Refrigeration Theory 3 Credits

Prerequisites: None Introduction to the fundamental principles of mechanical refrigeration. Designed for those pursuing a career in servicing, repairing and/or installing refrigeration and air conditioning equipment as well as building maintenance.

AC106 Residential Gas Heating 6 Credits

Prerequisites: AC 102, AC 107 Application of principles and skills in the troubleshooting, repair and maintenance of air conditioning, heating and ventilation equipment. Topics covered are the refrigeration cycle, gas furnace, oil furnace, heat pump, chilled water systems, hot water systems and cooling.

AC107 Electrical and Controls for HVAC 6 Credits

Prerequisites: None Familiarizes students with electrical applications and controls used in HVAC/R. Topics include basic electricity, wiring, schematics and controls found in heating, ventilation, air conditioning and refrigeration.

AC113 Schematic Reading for HVAC/R 3 Credits

Prerequisites: None Application of principles and skills in reading schematics seen in HVAC/R. Followed by the operation of air conditioning, heating and Refrigeration equipment. Topics covered are the cooling cycle, gas furnaces, Ice-Machines and Refrigeration systems both residential and commercial.

AC150 Basic Refrigeration Servicing 6 Credits

Prerequisites: AC 102, AC 107 Designed for those interested in entering the refrigeration service, installation or building maintenance fields. Orientated toward development of basic skills required in troubleshooting, repair and maintenance of refrigeration systems. Topics covered are soldering, silver soldering, service and troubleshooting tools and systems construction.

AC198 Special Topics in Hvac 0 Credits

Various short courses and experimental classes covering a variety of subjects. Offered from one-half to six credits depending on the course content and number of hours required. May be repeated up to six credits.