

CAREER STUDIES CERTIFICATE (221-903-10)

Air Conditioning and Refrigeration

Purpose: The career studies program in Air Conditioning and Refrigeration is designed to meet the short-term training needs of the adult part-time student by presenting the essential technical concepts and practices of the air conditioning and refrigeration field. The broad goals of the Air Conditioning and Refrigeration Certificate Program apply to this program as well. All of the courses offered through this program may be applied toward the Certificate in Air Conditioning and Refrigeration.

The program also prepares the student to take the EPA Section 608 Certification test, which is now required of all people employed in the installation, maintenance and repair of air conditioning and refrigeration equipment. This certification test is given on campus during the student’s first year of studies.

Occupational Objectives: Air conditioning/ refrigeration system installer, air conditioning system service technician, and air conditioning sales.

Admission Requirements: Applicants must meet the general admission requirements for admission to the college. To be successful in this program, students must have proficiency in oral and written communication skills and general mathematics is required. Students must have demonstrated Math competency to be placed in Pre- Algebra. Students not achieving this level will be required to take developmental courses.

CURRICULUM AND OTHER REQUIREMENTS CREDITS

AIR CONDITIONING & REFRIGERATION RELATED COURSES

AIR 121*	.....Air Conditioning & Refrigeration I	.....3
AIR 122*	.....Air Conditioning & Refrigeration II	.....3
AIR 123*	.....Air Conditioning & Refrigeration III	.....3
AIR 154*	.....Heating Systems I	.....3
BLD 159	.....Mechanical Code and Certification Preparation	.....3
ELE 133	.....Practical Electricity I	.....3
ELE 134*	.....Practical Electricity II	.....3
WEL 120	.....Fundamentals of Welding	.....3
Total Minimum Credits for Certificate		..... 24

** This course has a prerequisite. Prerequisites for all courses are listed in the course description section at the back of the catalog.*

SUGGESTED SCHEDULE

FIRST YEAR

FALL

AIR 121
ELE 133

SPRING

AIR 122
ELE 134

SECOND YEAR

FALL

AIR 154
WEL 120

SPRING

AIR 123
BLD 159