

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. Completion of the degree meets the educational requirements for taking the journeyman's exam; however, students must have two years of occupational experience to qualify to take the exam.

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 above Pre-Algebra. Students not achieving this level will be required to take developmental courses.

CURRICULUM AND OTHER REQUIREMENTS

AIR CONDITIONING & REFRIGERATION RELATED COURSES CREDITS

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 130	..... Electricity	4
SAF 127	..... Industrial Safety	2
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	SPRING
FALL	AIR 122
AIR 121	SAF 127
ELE 130	
SECOND YEAR	SPRING
FALL	AIR 154
AIR 123	BLD 159
WEL 120	