INTRODUCTION TO HVAC/REFRIGERATION, Diploma - 0280

Engineering & Technology Department
CIP Code: 47.0201

The Introduction to Heating, Ventilation and Air-Conditioning/Refrigeration (HVAC/R) diploma provides students with the basic hands on training in electricity, refrigeration, air conditioning and heating systems. The complete program is held at the Harrisburg Campus (Mid-Town II location) and at the York Campus. Students can attend full-time during the day or part-time during the evening, depending on the campus chosen.

Career Opportunities
Graduates find employment as HVAC Service Technicians, Equipment Installers, or HVAC Maintenance Technicians.
(SOC Code: 49-9021 Heating, A/C and Refrigeration Mechanics and Installers)

Competency Profile
This curriculum is designed to prepare students to:
- Perform the basic skills of electricity, heating, refrigeration, and air conditioning technology
- Install, repair and maintain heating, air conditioning, and refrigeration systems
- Outline the federal laws relevant to refrigerant recovery and recycling

PROGRAM REQUIREMENTS (TOTAL CREDITS = 16)

General Education	Major Requirements		Other Required Courses	
	HVAC 100 EPA Refrigerant Handling, Preparation & Testing	1	GTEC 105 Customer Service	1
	HVAC 101 Basic Electrical Fundamentals	4		
	HVAC 102 R410-A Safety and Handling	1		
	HVAC 103 Fundamentals of Air Conditioning I	4		
	HVAC 104 Print Reading for HVAC	1		
	HVAC 109 Heating Systems	4		
		15		

RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

Part-time students can complete this program by taking one or more courses each semester.

Fall Semester I	
GTEC 105	1
HVAC 100	1
HVAC 101	4
HVAC 102	1
HVAC 103	4
HVAC 104	1
HVAC 109	4