

HVAC - HEATING, VENTILATION AND AIR CONDITIONING

CERTIFICATE OF ACHIEVEMENT

Description

This certificate is designed to prepare students to enter the Heating, Air Conditioning, and Refrigeration Technology field. Instruction includes both theory and practical application with heating, air conditioning, and refrigeration machinery and with electrical equipment, as well as the related mathematics. Students receiving the certificate will have the knowledge and skills essential for employment in a variety of careers; including AC Technicians, Heating Technicians, Refrigeration Technicians, HVAC Mechanics, and HVAC Installers.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Problem solve, troubleshoot and perform maintenance and repair on residential and commercial heating, air conditioning, and refrigeration systems.
2. Interpret and process wiring and pipe diagrams.
3. Demonstrate safety, honesty, and integrity when dealing with customers and employers and when performing mechanical and electrical installations of heating, air conditioning, and refrigeration systems.

Program Requirements:

| PROGRAM REQUIREMENTS: (24 UNITS) | | Unit Hours: (24 Required) |
|-----------------------------------------|-------------------------------------------|----------------------------------|
| HVAC201 | Basic Electrical Theory | 4 |
| HVAC202 | Basic Refrigeration | 4 |
| HVAC203 | Heating Systems | 4 |
| HVAC204 | Air-Conditioning and Heat Pumps | 4 |
| HVAC205 | Commercial Refrigeration and Ice Machines | 4 |
| HVAC206 | HVAC Controls | 4 |

Total: 24

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