



Heating, Ventilation, and Air Conditioning

Heating, Ventilation, and Air Conditioning
Associate in Science

Heating, Ventilation, and Air Conditioning
Certificate of Achievement

This degree 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 degree 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.

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.



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Associate Degree Requirements

General Education Requirements	35 - 39 units
HVAC 201 Basic Electrical Theory	4 units
HVAC 202 Basic Refrigeration	4 units
HVAC 203 Heating Systems	4 units
HVAC 204 Air-Conditioning and Heat Pumps . .	4 units
HVAC 205 Commercial Refrig. and Ice Machines	4 units
HVAC 206 HVAC Controls	4 units

A student may complete the Gavilan College A.A./A.S. general education plus sufficient electives to meet a 60 unit total. See a counselor for details.

NOTE: A course may be used to satisfy both general education and major requirements. See

Double Counting Rule.

HVAC Certificate Requirements

HVAC 201 Basic Electrical Theory	4 units
HVAC 202 Basic Refrigeration	4 units
HVAC 203 Heating Systems	4 units
HVAC 204 Air-Conditioning and Heat Pumps . .	4 units
HVAC 205 Commercial Refrig. and Ice Machines	4 units
HVAC 206 HVAC Controls	4 units



GAVILAN COLLEGE

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