

# Heating Ventilation and Air Conditioning

## Heating Ventilation and Air Conditioning - Certificate of Achievement

The Heating, Ventilation, and Air Conditioning program is a Certificate of Achievement program designed to prepare students for a career in Heating, Ventilation, and Air Conditioning. Program performance standards for certification will be in accordance with those set forth by the National Center for Construction and Research (NCCER). Career opportunities for graduates include employment with commercial heating and air conditioning contractors, residential mechanical contractors, parts and equipment distributors, large commercial and industrial facility maintenance departments, hospitals, custom design and new construction markets

Upon completion of the heating ventilation and air conditioning program, the student will be able to:

- Explain the basic principles of heating, ventilation, air conditioning and refrigeration.
- Perform various tests such as, leak test refrigerant circuits, electrical current and voltage, and environmental conditions in order to diagnose system problems.
- Describe the service and repair of a refrigerant metering devices, electronically commuted motors (ECMs) or other HVAC systems.
- Identify the types, uses, and installation methods of fasteners.
- Identify and describe the operation of various energy recycling and reclamation systems and equipment.

<i>Course #</i>	<i>Title</i>	<i>Units</i>
<b>Required Core Courses</b>		
IMT 060 . . . .	Industrial Core . . . . .	3
HVAC 060 ..	Heating, Ventilating, and Air Conditioning Level I . . . . .	3
HVAC 061 ..	Heating, Ventilating, and Air Conditioning Level II . . . . .	4
HVAC 062 ..	Heating, Ventilating, and Air Conditioning Level III . . . . .	4
HVAC 063 ..	Heating, Ventilating, and Air Conditioning Level IV . . . . .	4
	<b>Total . . . . .</b>	<b>18</b>

### Occupational/Career Outlook

The median salary for heating ventilation air conditioning (HVAC) mechanics/installers is \$47,610 (nationally) and \$55,140 (California). Additional career and employment information may be obtained through:

- O\*Net, [onetonline.org](http://onetonline.org)
- Labor Market, California Employment Development Department, [www.labormarketinfo.edd.ca.gov](http://www.labormarketinfo.edd.ca.gov)