

# HEATING, VENTILATION, AIR CONDITIONING & REFRIGERATION TECHNOLOGY

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## Program Description

The Heating, Ventilation, Air Conditioning and Refrigeration Technology Program prepares students for skilled positions installing and servicing heating and cooling systems.

Students receive intensive training in labs to apply lecture material to practical situations. An Associate of Applied Science Degree, a 45-credit hour Diploma or Certificates (Furnace, Heat Pump, or Air Conditioning) are options available to the students.

As part of the Degree program, students may participate in a summer internship with local HVAC/R employers to receive valuable on-the-job training.

## Program Objectives

- Demonstrate knowledge of electrical hazards and related safety practices.
- Possess the knowledge and skills to perform entry level employment in the HVAC/R field.
- Demonstrate an understanding of personal and work characteristics that contribute to effective job performance.
- Use effective communication skills appropriate to the HVAC/R industry.
- Apply the theory of HVAC/R to specific jobs using reasoning/critical thinking and the ability to work independently.
- Use mathematical/technical data in relation to the HVAC/R field.
- Be prepared to pass the EPA Certification Exam for Air Conditioning and Refrigeration Technicians.

## Career Opportunities

Graduates may be employed by contractors in the field or operate their own business.

## Internships

Internships are an option for this program. A student may take additional electives instead of an internship.

## Associate of Applied Science Degree

- Heating, Ventilation, Air Conditioning and Refrigeration Technology, AAS (<https://catalog.mpcc.edu/course-catalog/programs/heating-ventilation-air-conditioning-refrigeration-technology/heating-ventilation-air-conditioning-refrigeration-technology-aas/>)

## Diploma

- Heating, Ventilation, Air Conditioning and Refrigeration Technology Diploma (<https://catalog.mpcc.edu/course-catalog/programs/heating-ventilation-air-conditioning-refrigeration-technology/heating-ventilation-air-conditioning-refrigeration-technology-diploma/>)

## Certificates

- Heating, Ventilation, Air Conditioning and Refrigeration Technology Air Conditioning Certificate (<https://catalog.mpcc.edu/course-catalog/programs/heating-ventilation-air-conditioning-refrigeration-technology/heating-ventilation-air-conditioning-refrigeration-technology-air-conditioning-certificate/>)
- Heating, Ventilation, Air Conditioning and Refrigeration Technology Furnace Certificate (<https://catalog.mpcc.edu/course-catalog/programs/heating-ventilation-air-conditioning-refrigeration-technology/heating-ventilation-air-conditioning-refrigeration-technology-furnace-certificate/>)
- Heating, Ventilation, Air Conditioning and Refrigeration Technology Heat Pump Certificate (<https://catalog.mpcc.edu/course-catalog/programs/heating-ventilation-air-conditioning-refrigeration-technology/heating-ventilation-air-conditioning-refrigeration-technology-heat-pump-certificate/>)