

HVAC & REFRIGERATION MECHANIC



ABOUT THIS CAREER

Heating, Ventilation, Air Conditioning (HVAC) and Refrigeration Mechanics install, troubleshoot and repair entire heating, ventilation, air conditioning and refrigeration systems such as residential central air conditioning and commercial and industrial refrigeration and air conditioning systems. They can work with installation contractors, construction companies, food wholesalers, engineering firms and service establishments.

380,500

CONSTRUCTION WORKERS
NEEDED BY 2034

**BuildForce Canada*

"I enjoy the versatility needed to be able to fix any air conditioning or heating problem that comes my way."



You enjoy variety on the job.



You like working with machinery.



You are strong and have good coordination.

RESPONSIBILITIES

- Measure and install refrigeration and air conditioning components
- Test for leaks and replace components for heating, ventilation, air conditioning and refrigeration systems
- Install, maintain and repair refrigerant and electrical controls and building automation systems
- Measure, cut and connect piping
- Use hand and power tools, including welding equipment
- Read and interpret blueprints
- Prepare work estimates

DID YOU KNOW?

HVAC and Refrigeration Mechanics need to be multi-talented to understand the variety of equipment used in the wide range of heating, ventilation, air conditioning and refrigeration systems.

WHAT YOU'LL NEED

Entrance Requirements

Usually a combination of 5+ years of construction experience, plus high school, college or industry courses in plumbing to be eligible for certification.

Apprenticeship Program:

4 years, includes technical training, on-the-job training and exam. Journeyman certificate awarded after successful completion. As an apprentice, you also earn while you learn.

Key Skills & Attributes

(technical training and on the job)

- Strong communication skills, reading and numeracy
- Strong problem-solving skills
- Ability to read and interpret blueprints
- Physical fitness and strength
- Ability to work with machinery and hand and power tools