

REFRIGERATION MECHANIC

ABOUT THIS CAREER

Refrigeration Mechanics fabricate, install, alter, repair and service equipment that freezes, cools and/or heats. This equipment is used in the industrial, commercial, institutional and residential sectors. They will also have a B Gas Fitter ticket when their apprenticeship is complete.



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

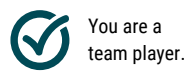
HOURLY PAY

\$65.80/hr

PROJECTED GROWTH
(CONSTRUCTION LABOUR FORCE)

10% over the decade

compared to 2020*
*BuildForce Canada



You are a team player.



You enjoy doing precise work, expertly.



You are physically fit.

RESPONSIBILITIES

- Evacuate, charge, start up, inspect, operate, maintain and service mechanical systems and controls in heating, ventilation and air conditioning, including retrofits, solar systems, refrigeration and food store equipment
- Apply knowledge of safe use and storage of refrigerants, leak prevention, reclamation and recycling of refrigerants
- Comprehend schematic diagrams and troubleshooting
- Measure, cut and connect piping using welding and brazing equipment
- Recharge systems with refrigerant gases as required
- Connect rooftop units to gas, test and balance systems and connect electrical systems
- Use and adjust computerized controls & use computer software to calculate loads

WHAT YOU'LL NEED

Entrance Requirements

High School (recommended):

Grade 12 diploma, including:

- English 12
- Math 11 (applications of Math 11 or Principles of Math 11)
- Physics 11 (preferred Grade 12 completion)

Apprenticeship Program:

4 years, includes 990 hours of technical training, 6,210 hours of on-the-job training, and exam. (Class B Gas Fitter licence requires an additional 1,500 hours of on-the-job training.) Journey person and InterProvincial Red Seal certification awarded after successful completion. As an apprentice, you also earn while you learn.

Key Skills & Attributes

(technical training and on the job)

- Strong communication, reading & numeracy skills
- Strong problem-solving & critical thinking
- Physical fitness & ability to lift 25 kg
- Mechanically inclined with manual dexterity
- Ability to work outdoors in diverse weather
- Ability to work independently
- Ability to work well with others

DID YOU KNOW?

Refrigeration mechanics need to be multi-talented to understand the wide range of equipment used in refrigeration and air conditioning systems.

