

# Refrigeration & Air Conditioning Systems Mechanic

Certificate of Qualification 313A

*"I enjoy the versatility needed to be able to fix any air conditioning or heating problem that comes my way. It doesn't hurt that we're always in demand."*

Refrigeration and air conditioning systems mechanics install, maintain, and repair residential, commercial, and industrial central air conditioning systems. They cut piping and use welding and brazing equipment to connect pipes. They also recharge cooling systems with refrigerant gases. This work requires computer skills for calculating loads and adjusting controls.

**Unionized  
Journeyman  
Wage Rate:  
\$57.69/Hr**

**2023 Provincial  
Average**



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Indoor and outdoor work



Likes working with machinery



Likes working with hands & small tools

## Entrance Requirements

- Grade 12 Diploma preferred (Grade 10 minimum)

## Did You Know?

HVAC Mechanics need to be multi-talented to understand the wide range of equipment used in the variety of cooling systems. They also perform essential work in our national goal to improve energy efficiency.

## Key Skills & Attributes

- Strong communication, reading, numeracy and strong problem-solving skills
- Ability to read and understand blueprints and complex instructions
- Physical strength and stamina
- Ability to lift heavy materials and stand for long periods

## Apprenticeship Program

9000 hours of on-the-job training, supplemented by three 8-week sessions of in-class technical training.

## Responsibilities

- Plan lays out, installs, starts-up, connects, maintains, services, repairs, tests, verifies, commissions and decommissions refrigeration and air conditioning systems, electronic components & their accessories
- Installs and connects piping for the purpose of conveying all types of refrigerants used for both primary/secondary heating and cooling
- Inspect and checks operation and integrity of components
- Replace defective, leaking, discolored and worn components
- Perform shut-downs and lock outs
- Clean and lubricates components
- Measure, cuts, bends, threads and connects pipe to functional components and utilities and services

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