

# MILLWRIGHT



## ABOUT THIS CAREER

Millwrights (or Industrial Mechanics) install and maintain industrial machinery and mechanical equipment including hydraulic, fuel, lubrication, cooling, and exhaust systems.



"I'm depended on to assemble and maintain complicated machinery that costs millions of dollars. I like making a difference."

**~6,500**  
by 2032\*

PROJECTED CONSTRUCTION  
WORKERS RETIREMENTS BY 2034

*\*BuildForce Canada*



You have an interest in operating machinery.



You have a keen eye for detail and like precision work.



You are comfortable working at heights and confined spaces as well as in all types of weather.

## RESPONSIBILITIES

- Detect and troubleshoot mechanical problems
- Repair or replace defective machinery parts
- Assemble and install machinery and equipment using tools
- Install machinery foundations
- Fabricate parts required during overhaul, maintenance or set-up
- Perform routine maintenance
- Work with other trades to diagnose programmable logic controllers (PLCs) problems
- Operate, maintain and repair hoisting and lifting equipment

## DID YOU KNOW?

Nearly every industry requires Millwrights, including manufacturing, hydroelectric, automotive, transportation, refinery, food processing and pharmaceutical, as examples.



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## WHAT YOU'LL NEED

### Entering the Trade

#### Red Seal

Is there a training pathway for this trade?: **Yes**

Number of Levels: **4**

Total Required Apprenticeship  
Hours: **7,200**

Total Hours Required to  
Challenge Exam as a Trade  
Qualifier: **10,800**

**HOURLY PAY** \$52.07/hr including vacation pay (based on 2023 collective agreement Journeyperson hourly rate)

### Key Skills & Attributes

(technical training and on the job)

- Reading and math
- Communication
- Planning and problem-solving



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