



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

ABOUT THIS CAREER

Millwrights install, maintain, troubleshoot and repair stationary industrial machinery and mechanical equipment used in many industries. They work on a range of equipment in factories, production plants and recreational facilities.

55,810 CONSTRUCTION
WORKERS NEEDED BY 2030*

*BuildForce Canada

Contact the local union for more information on hourly pay, benefits, pensions and more.



You have an interest in operating machinery.



You like variety.



You like precision work & working with building materials.

RESPONSIBILITIES

- Read diagrams and schematic drawings to determine work procedures
- Detect and troubleshoot mechanical problems and malfunctions
- Perform routine maintenance & test, repair or replace defective machinery parts
- Assemble and install machinery and equipment using hand and power tools
- Operate rig equipment to move and place heavy machinery and parts
- Trouble-shoot hydraulic, pneumatic and programmable logic controls (PLCs)
- May do some welding and fabrication

WHAT YOU'LL NEED

Entrance Requirements

To potentially reduce length of apprenticeship term:

Completed courses of study, millwright-related work experience or a related journeyman certificate and employer's recommendation.

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 and planning skills
- Ability to read blueprints and schematic drawings
- Ability to understand and trouble-shoot mechanical systems
- Physical strength, stamina & ability to lift heavy equipment
- Good coordination and manual dexterity

DID YOU KNOW?

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