

# STEAMFITTER/ PIPEFITTER

## ABOUT THIS CAREER

Steamfitters/pipefitters build, assemble, maintain & repair piping systems that carry water, steam, chemicals or fuel in heating, cooling, lubricating and other processes. Because of this, much of their work is industrial or commercial. Pipefitters also remove and replace worn components, do general maintenance work and may work on plant shutdowns.

**55,810** CONSTRUCTION  
WORKERS NEEDED BY 2030\*

\*BuildForce Canada

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

"I really like the variety of work in my trade."



You enjoy precision work.



You are a critical thinker.



You can understand complex instructions.

## RESPONSIBILITIES

- Install piping systems in commercial buildings or industrial plants
- Study blueprints, drawings & specifications
- Determine the type of pipe & tools and sequence of tasks
- Make detailed sketches for pipe & equipment fabrication and installation
- Measure, cut, thread, bend, assemble, join and install pipes, valves & fittings
- Use testing equipment to check systems for leaks

## WHAT YOU'LL NEED

### Entrance Requirements

English 20-2, Math 20-3 & Science 10 **OR** All 5 Canadian General Education Development tests **OR** Entrance Exam.

### Apprenticeship Program:

4 years, includes 8 weeks of technical training and 1,500 hours (minimum) on-the-job training per year, 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, numeracy & problem-solving skills
- Ability to read and understand complex instructions
- Strength, stamina and ability to lift heavy materials
- Mechanical aptitude
- Manual dexterity
- Ability to do careful & exacting work
- Ability to work at heights and in diverse weather

## DID YOU KNOW?

Steamfitters-pipefitters work on systems that operate under extremely high pressure and temperatures. It is critical that they have a thorough knowledge of scientific principles to complete their work safely.



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