



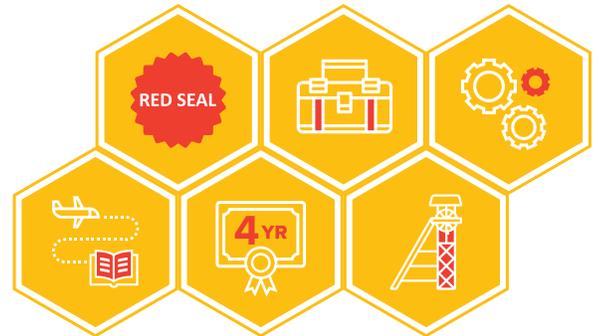
Steamfitter - Pipefitter

About this job

Professionals in this field belong to an industry that helps keep modern life efficient, convenient, and comfortable. Steamfitters and pipefitters work with precision and perform physically demanding duties in both indoor and outdoor settings.



STEAMFITTER AND PIPEFITTER HOLDS NATIONAL OCCUPATION CLASSIFICATION (NOC) CODE #7252/72301



- **Four-year program**
- **Eligible for Red Seal Endorsement**
- **Requires out of the territory technical training**
- **Construction**
- **Mining**
- **Manufacturing**

\$114,400

Estimated Average Journeyperson Salary

APPRENTICESHIP, TRADES, AND OCCUPATIONAL CERTIFICATION

Aussi disponible en français

What can I expect to do for work if I become a Steamfitter and Pipefitter?

Steamfitter–pipefitters lay out, assemble, fabricate, maintain and repair piping systems which carry water, steam, chemicals or fuel used in heating, cooling, lubricating and other processes.

To install a typical piping system in a commercial building or industrial plant, steamfitter–pipefitters:

- study blueprints, drawings and specifications to determine the type of pipe and tools to use, and lay out the sequence of tasks,
- sometimes make detailed sketches for pipe and equipment fabrication and installation, as required,
- measure, cut, thread, groove, bend, assemble and install metal, plastic and fibreglass pipes, valves and fittings,
- join pipe sections, related equipment and secure in position, and
- use testing equipment to check systems for leaks.

Steamfitter–pipefitters also remove and replace worn components, do general maintenance work and may work on plant shut-downs.

What kind of working conditions can I expect?

Steamfitter–pipefitters work both indoors and outdoors at physically demanding tasks that often require climbing. They work approximately 40 hours a week, with overtime sometimes required to meet construction deadlines. Construction contractors may require employees to travel and live in rented accommodation or at a company on-site

camp. There is some risk of injury involved in working with power tools and heavy equipment.

What are some skills that are valued in this profession?

- physical strength, stamina and the use of proper lifting techniques required to manage heavy materials and stand for long periods,
- manual dexterity,
- mechanical aptitude,
- the ability to read and understand complex instructions, and
- the ability to do careful and exacting work.

What is the minimum requirement to become an apprentice in this trade?

Apprentices must obtain a minimum of 70% on the Trades Entrance Exam – TEE Category #2 or the equivalent education as outlined below. This must be done before signing the Apprenticeship contract and attending technical training.

How long will it take to complete a Steamfitter and Pipefitter apprenticeship?

An apprenticeship takes about four years to complete, and includes four on the job periods and four technical training periods. You need to complete 1800 hours per period, for a total of 7200 hours.

How long is technical training?

Apprentices will attend 960 technical training hours. Apprentices usually go to school for this program in Alberta.

Eligibility Requirements

Entrance Exam – Pass Exam 5 with a score of 70% or higher
or

Completion of the following high school courses

- English 20-2 (pass) or Literacy 30 (pass)
- Math 10C (pass)
- Science 10 (pass)

or

All five Canadian General Educational Development (GED) tests

SCHOOLS NORTH APPRENTICESHIP PROGRAM (SNAP) - SNAP apprentices are not required to satisfy the entrance requirements prior to signing an apprenticeship contract. However, the SNAP apprentice must satisfy the entrance requirements or write the TEE before attending technical training.

Period	Technical Training ¹	Prerequisites for technical training	Hours ²
1st	8 Weeks 240 hours	Entrance Exam and 900 hours	1800
2nd	8 Weeks 240 hours	Completed 1 st Period	3600
3rd	8 Weeks 240 hours	Completed 2 nd Period	5400
4th	8 Weeks 240 hours	Completed 3 rd Period	7200

¹Length of In-School Training

²Minimum Time Required to Complete (Includes Technical Training)

For more information:

www.gov.nt.ca/Apprenticeship