



Sprinkler Systems Installer

About this job

Sprinkler systems installers perform precise, meticulous, and important work on one of the most critical safety systems of a commercial or industrial location. They are good communicators and often work in conjunction with other trades professionals.



SPRINKLER SYSTEM INSTALLER FALLS UNDER NATIONAL OCCUPATION CLASSIFICATION (NOC) CODE #7252/72301

APPRENTICESHIP, TRADES, AND OCCUPATIONAL CERTIFICATION



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

\$114,400

Estimated Average Journeyperson Salary

Aussi disponible en français

What can I expect to do for work if I become a Sprinkler System Installer?

Sprinkler systems installers fabricate, install, test, maintain, inspect and repair sprinkler systems on commercial and industrial sites.

To install wet and dry pipe sprinkler systems, carbon dioxide, chemical and foam extinguishing systems, stand pipe and hose systems and fire pump systems, installers:

- support the safe execution of work,
- read and interpret engineered drawings and specifications to determine layout requirements,
- select the type and size of pipe required and arrange the piping to provide fire protection,
- install clamps, brackets and hangers to support the piping system and sprinkler and fire protection equipment,
- join and connect pipes and piping sections to related piping systems, tanks, mains, pumps, compressors and control equipment using various pipe joining methods,
- test systems for leaks using air or water pressure,
- inspect, maintain and repair piping, fixtures and controls including hydrant, pump and sprinkler head connections, and
- may prepare cost estimates for clients.

What kind of working conditions can I expect?

Sprinkler systems installers work primarily indoors, often in temporarily heated or unheated spaces. They work a standard 40-hour week but are occasionally required to work overtime to meet deadlines.

What are some skills that are valued in this profession?

The work is most rewarding for those who enjoy working with little direction or supervision in a field that demands precise work. To be successful in their trade, sprinkler systems installers must have:

- strength and stamina,
- manual dexterity,
- the ability to work at heights,
- the ability to use proper lifting techniques to lift items weighing in excess of 25 kilograms,
- the ability to do exacting work, and
- the ability to communicate and coordinate with other trades.

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 training.

How long will it take to complete a Sprinkler System Installer apprenticeship?

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

How long is technical training?

Apprentices will attend 720 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
<ul style="list-style-type: none"> • 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	n/a	Completed 3 rd Period	7200

¹Length of In-School Training

²Minimum Time Required to Complete (Includes Technical Training)

For more information:

www.gnt.ca/Apprenticeship