

EDUCATION & EXPERIENCE

- ▶ Completion of Grade 12 is required.
- ▶ Completion of a four- to five- year apprenticeship program; or
- ▶ A combination of more than five years of work experience in the trade and some high school, college or industry courses in steamfitting or pipefitting is usually required to be eligible for trade certification.
- ▶ Steamfitter-pipefitter trade certification is compulsory in British Columbia.

TRAINING

The Industry Training Authority (www.itabc.ca) is the best place to find lots of information about becoming a steamfitter or pipefitter and training for careers in the Trades. British Columbia Institute of Technology (www.bcit.ca) offer specific ITA-approved training as well as Foundation Courses for people interested in becoming steamfitters and pipefitters. If you are interested in completing Grade 12 or upgrading your skills, you have a number of options. Check out adult basic education programs at:

- ▶ The College of New Caledonia (CNC).
- ▶ Coast Mountain College.

If you have your Grade 12 and are interested in exploring your career options in exploration and mining, contact:

- ▶ General educational advisors or First Nations Access coordinators at Coast Mountain College.
- ▶ School of Exploration & Mining advisors at Coast Mountain College.
- ▶ Academic advisors at the College of New Caledonia.

CAREER ADVANCEMENT POTENTIAL

- ▶ Progression to supervisory positions is possible with experience.
- ▶ Red Seal trade certification allows for interprovincial mobility.

To learn more about a career as a steamfitter or pipefitter (including information about work duties and working conditions, salaries and employment prospects), you can access information in the National Occupational Classification (NOC) System at www.workbc.ca. The NOC code for this occupation is 7252.

STEAMFITTERS & PIPEFITTERS

Steamfitters and pipefitters lay out, assemble, fabricate, maintain, troubleshoot and repair piping systems carrying water, steam, chemicals and fuel in heating, cooling, lubricating and other process piping systems. Steamfitters and pipefitters are employed in maintenance departments of factories, plants and similar establishments, and by pipefitting contractors, or they may be self-employed.



Image source: MiHR Council and iStock

JOB DESCRIPTION

If you're a steamfitter or pipefitter, you may be required to:

- ▶ Read and interpret blueprints and specifications to determine layout requirements.
- ▶ Cut openings for pipe in walls, floors and ceilings using hand or power tools or machines, and select the type and size of pipe required.
- ▶ Measure, cut thread and bend pipe to required shape using hand and power tools.
- ▶ Weld, braze, cement, solder and thread joints to join pipes and fabricate sections of piping system.
- ▶ Install supports, valves, piping and control systems.
- ▶ Test system for leaks using testing equipment.
- ▶ Clean and maintain pipe units and fittings and flush system.
- ▶ Remove and replace worn components and reactivate system.

Seabridge Gold developed its job fact sheets using information from Human Resources and Skills Development Canada's 2006 National Occupational Classification, Work BC (www.workbc.ca) and the Mining Industry Human Resource Council (<https://mihrc.ca>). To learn more about Seabridge Gold and its projects, visit www.seabridgegold.com.