



Steamfitter / Pipefitter

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

Main Responsibilities:

- Demonstrate knowledge of functional operation of various piping systems by measuring, cutting, threading, grinding and bending of pipes, valves, and fittings.
- Read and interpret drawings, blue prints and specifications to determine layout requirements.
- Assemble and install pipes, valves and fittings according to blue prints and job specifications
- Plan and conduct pressure tests as required by code and or specifications
- Calculate weights of materials and or spools to ensure proper equipment is used.
- Cut openings for pipe in walls, floors and ceilings using hand or power tools or machines.
- Identify piping materials by grade and or description.
- Utilize oxy/acetylene hand torches, grinders, and Bevellers in an efficient and safe manner.
- Recognize spool hoisting points and utilize proper rigging techniques and signals
- Cement, solder, and thread joints to join pipes and fabricate sections of piping system.
- May perform other duties as assigned.

Job Specific Knowledge:

- The ability to read and understand complex instructions
- Knowledge of material grades, wall thickness, fitting ratings, and pipe diameters.

Industry Specific Experience:

- An understanding of safe work practices and the knowledge to safely operate the tools of the trade.
- Able to work outdoors in adverse weather conditions.

Education – Qualifications, Accreditation, Training:

- Must be a Steamfitter-Pipefitter Apprentice or hold a Journeyperson ticket or hold a valid recognized credential from a recognized provincial training authority.
- BC ITA Apprenticeship consists of:
 - ✓ Level 1: ITA Standardized Written Exam, Technical training 180 hours (6 Weeks) and Accumulate hours.
 - ✓ Level 2: ITA Standardized Written Exam, Technical training 180 hours (6 Weeks) and Accumulate hours.
 - ✓ Level 3: ITA Standardized Written Exam, Technical training 180 hours (6 Weeks) and Accumulate hours..
 - ✓ Level 4: ITA Standardized Written Exam, Technical training 240 hours (8 Weeks) and Work-Based Training: 5,620 hours, Interprovincial Red Seal Exam.

Visit <http://www.itabc.ca/program/steamfitter-pipefitter> for more information