

Welder

To create and weld various metal parts, tools, machines and equipment in the field of fabrication and modularization

Main Responsibilities:

- Develop patterns for projects or follow directions given in layouts, blueprints, and work orders.
- Perform different welding processes and fillers depending upon the type of metal, its size and shape, and requirements for finished product strength
- Operate manual or semi-automatic welding equipment to fuse metal segments using different processes.
- Clean, check for defects and shape component parts, sometimes using a cutting torch.
- Repair worn parts of metal products by welding extra layers
- Weld parts together.
- 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 registered Welder 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 Exam, Technical training 240 hours (8 Weeks), Accumulate hours and Accumulate competencies in Logbook.
 - ✓ Level 2: ITA Standardized Exam, Technical training 240 hours (8 Weeks), Accumulate hours and Accumulate competencies in Logbook.
 - ✓ Level 3: Technical training 240 hours (8 Weeks) and Work-Based Training: 4,500 hours, Interprovincial Red Seal Exam and Logbook Completion.
- B-Pressure Welders must hold a valid Journeyperson ticket as well as:
 - ✓ Must possess a current and valid CWB All Position Ticket.
 - ✓ Must possess BCP-100
 - ✓ Proof of WorksafeBC Insurance

Visit <http://www.itabc.ca/program/welder> for more information