

EDUCATION & EXPERIENCE

- ▶ Completion of Grade 12 is required.
- ▶ Completion of a four- to five- year apprenticeship program (or a combination of several years of work experience in the trade and some high school, college or industry courses) is required to be eligible for trade certification; however certification is not required to work as a construction millwright or industrial mechanic in BC. While certification is not mandatory, it will likely increase employment opportunities.

TRAINING

The Industry Training Authority (www.itabc.ca) is the best place to find lots of information about becoming a millwright or industrial mechanic and training for careers in the Trades. You can register at a number of different schools for foundation courses and apprenticeship training to become a millwright or industrial mechanic, including British Columbia Institute of Technology, Coast Mountain College, and the College of New Caledonia. A complete list of ITA-approved institutions is on the ITA Website. 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 millwright or industrial mechanic (including information about work duties and working conditions, salaries and employment prospects), you can access information in the National Occupation Classification (NOC) System at www.workbc.ca. The NOC code for this occupation is 7311.

CONSTRUCTION MILLWRIGHTS & INDUSTRIAL MECHANICS

Construction millwrights and industrial mechanics install, maintain, troubleshoot and repair stationary industrial machinery and mechanical equipment. Construction millwrights are employed by millwrighting contractors and industrial mechanics are usually employed in manufacturing plants, utilities and other industrial establishments.



Image source: MIHR Council and iStock

JOB DESCRIPTION

If you're a construction millwright or an industrial mechanic, you may be required to:

- ▶ Read blueprints, diagrams and schematic drawings to determine work procedures.
- ▶ Install, align, dismantle and move stationary industrial machinery and mechanical equipment, such as pumps, fans, tanks, conveyors, furnaces and generators according to layout plans using hand and power tools.
- ▶ Operate hoisting and lifting devices such as cranes, jacks and tractors to position machinery and parts during the installation, set-up and repair of machinery.
- ▶ Inspect and examine machinery and equipment to detect and investigate irregularities and malfunctions, as well as adjust machinery and repair or replace defective parts.
- ▶ Operate machine tools such as lathes and grinders to fabricate parts required during overhaul, maintenance or set-up of machinery.
- ▶ Clean, lubricate and perform other routine maintenance work on machinery.

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.