

# Construction Boilermaker

Certificate of Qualification 428A

*“Any job can provide a paycheque, but a career as a Boilermaker will bring a sense of fulfillment.”*

Construction Boilermakers work on pressure vessels related to big industry. Storage Tanks, Boilers, Furnaces, Towers, Heaters, Penstocks, Exchangers, Stacks, Duct Work, Structural Steel and much more. Boilermakers find themselves working on various different jobsites including, but not limited to: Oil Refineries, Steel Mills, Pulp & Paper Mills, Nuclear Power Plants, Coal Fired and Natural Gas Generating Stations, Hydro-electric Generating Stations, LNG Plants, and Cement Plants.

**Unionized  
Journeyman  
Wage Rate:  
\$54.39/Hr**

**2024 Provincial  
Average**



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Not afraid of heights or confined spaces



Good physical strength



Good hand-eye coordination

## Entrance Requirements

- High school transcript or high school diploma (equivalent GED)

## Did You Know?

Boilermakers evolved from industrial blacksmithing. Boilermakers were a part of shipbuilding and engineering industries, as it was easier and more affordable to hire an on-site boilermaker to build ships.

## Key Skills & Attributes

- Strong numeracy, reading and communication skills
- Problem-solving and planning skills
- Physical fitness and stamina
- Ability to work in confined spaces, outdoors and at heights
- Ability to travel and live away from home

## Apprenticeship Program

1650 hours pre-apprenticeship, followed by 5880 hours on-the-job training, supplemented by three 8-week technical training sessions.

## Responsibilities

- Work from fabrication drawings (prints) to fabricate components from steel or other materials
- Use various metal forming machines such as rotary shears, punch presses and bending rolls
- Tests boiler systems for leaks, defects and other deficiencies to ensure they are operating safely and efficiently
- Attach rigging and work with hoisting devices to lift components into place

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