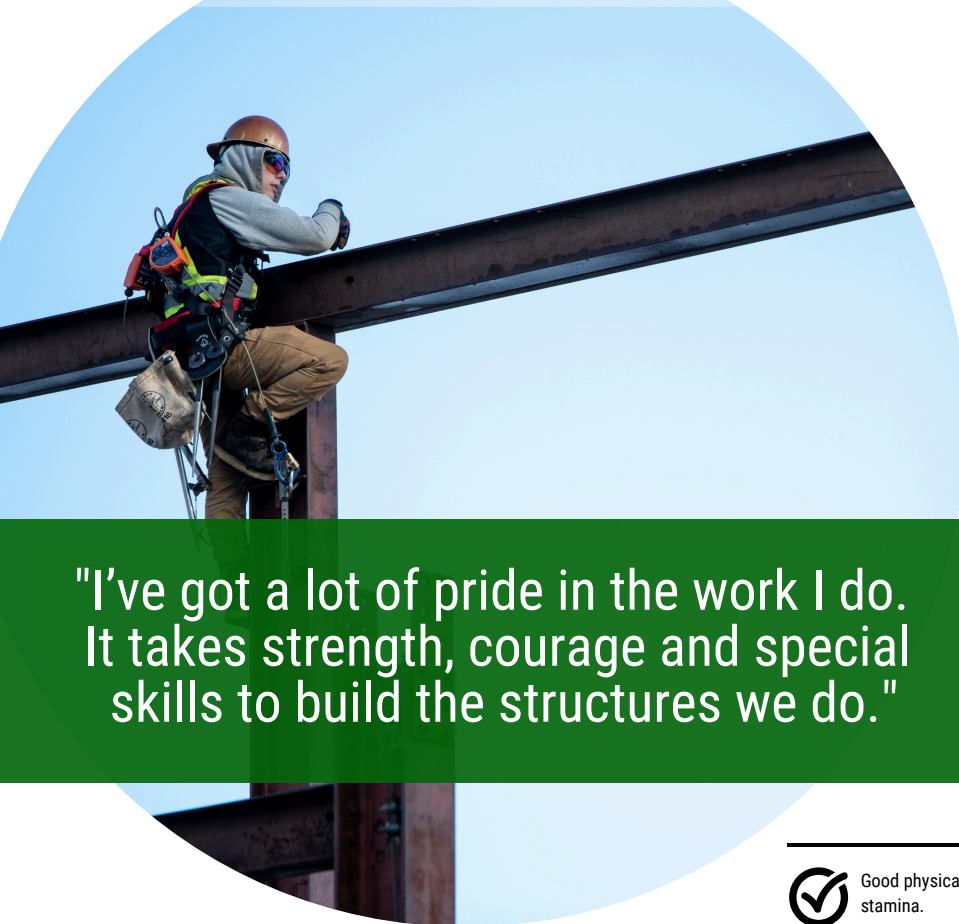


IRONWORKER - REINFORCING



"I've got a lot of pride in the work I do. It takes strength, courage and special skills to build the structures we do."

ABOUT THIS CAREER

Reinforcing Ironworkers play a critical role in building strong, durable concrete structures. They fabricate, assemble, and install reinforcing steel (rebar), wire mesh, composites, and post-tensioning systems that give concrete its strength and stability. Their work includes positioning, aligning, and securing components according to project drawings, as well as unloading and preparing steel units for safe installation. Reinforcing Ironworkers also stress and grout bars and tendons, install supporting accessories, and tie or weld components together to create the framework that ensures structures like bridges, stadiums, and high-rises are built to last.

380,500

CONSTRUCTION WORKERS
NEEDED BY 2034

**BuildForce Canada*



Good physical stamina.



Good mechanical aptitude and ability to visualize finished projects.



You are comfortable working at heights and in diverse weather.

RESPONSIBILITIES

- Fabricate, assemble, and install reinforcing steel (rebar), wire mesh, and composite materials for concrete construction
- Build and install components of pre- and post-tensioning systems for large structures like bridges and stadiums
- Stress and grout post-tensioning bars and tendons to add strength and stability
- Position, align, and secure components according to drawings, using a variety of methods
- Unload and position steel units so each piece can be safely hoisted as needed
- Install reinforcing supports and accessories to keep materials in place during construction
- Tie or weld reinforcing components together to create a solid framework before concrete is poured

DID YOU KNOW?

Ironworking is a multi-faceted career and involves more than constructing buildings and bridges. Most Ironworkers do more than one type of ironwork and each requires specific skills.



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WHAT YOU'LL NEED

Entering the Trade

Is there a training pathway for this trade?: **Yes**

Number of Levels: **2**

Total Required Apprenticeship Hours: **3,600**

Total Hours Required to Challenge Exam as a Trade Qualifier: **5,400**

HOURLY PAY \$37.95/hr (based on 2025 collective agreement Journeyman hourly rate)

Key Skills & Attributes

(technical training and on the job)

- Strong communication, problem-solving and planning skills
- Reading and numeracy
- Experience using precision tools & machinery
- Ability to work in high places
- Ability to work outdoors in diverse weather
- Ability to work in a collaborative environment

