

# IRONWORKER



## ABOUT THIS CAREER

Ironworkers assemble, hoist, repair and service steel framework and other metals and materials used in buildings, bridges, highways, dams and other structures. They can manufacture refabricated construction components and buildings, and custom-fabricate fine wrought-iron architectural ornamentation.

They also have an important role in installing the curtain wall components in high-rise buildings.

# 380,500

CONSTRUCTION WORKERS  
NEEDED BY 2034

*\*BuildForce Canada*

"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."



You have  
experience using  
tools & machinery.



You can visualize  
finished products.



You are comfortable  
working at heights and  
in diverse weather.

## RESPONSIBILITIES

- Position and secure steel bars or metal mesh in concrete forms to reinforce concrete structures
- Erect and install scaffolding, falsework and other working platforms
- Signal crane operators to position units according to blueprints
- Align, weld or bolt units in place
- Dismantle metal, pre-cast concrete or laminated timber buildings and other structures
- Inspect or test structures and equipment for deterioration, defects or failure to comply with specifications or regulations
- Unload and position steel units so each piece can be hoisted as needed

## 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.

## WHAT YOU'LL NEED

### Entrance Requirements Key Skills & Attributes

#### Apprenticeship Program:

3 years, includes technical training, on-the-job training and exam. Journey person certificate awarded after successful completion. As an apprentice, you also earn while you learn.

(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