

# IRONWORKER



"I have 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

Ironworkers rig, handle and place all the rebar, post tensioning and structural steel on a construction site such as columns, beams, girders and more. In B.C., they can work on high rise & commercial buildings, bridges, tunnels, dams, mines, stadiums and other structures. An Ironworker generalist is trained in both reinforcing and structural steel.

HOURLY PAY

**\$25.00-\$50.00**

PROJECTED GROWTH  
(CONSTRUCTION LABOUR FORCE)

**10% over the decade**

compared to 2020\*  
\*BuildForce Canada



You are strong, agile & have good balance.



You are mechanically inclined.



You like working with your hands.

## RESPONSIBILITIES

- Select, cut, bend, position and secure steel bars & wire mesh to reinforce concrete
- Read blueprints & specifications
- Assemble rigging, jacks & rollers to move and install heavy equipment & materials
- Attach rigging to members and direct crane operator with hand signals & radios
- Erect and install all types of cranes & hoisting equipment
- Assemble and erect pre-fabricated metal & pre-cast concrete structures
- Install ornamental/architectural and other metalwork

## WHAT YOU'LL NEED

### Entrance Requirements

#### High School (recommended prerequisites):

Two years of education in English in an English-speaking country with **English 12 (50%)** or **Communications 12 (67%)** | **Math 10**.

Those interested in the ironworker trade should consider taking the Ironworker Foundation Class at BCIT.

#### Apprenticeship Program:

Ironworker Generalist requires 4,740 hours of paid on-the-job training, 3 levels of technical training & exam. Ironworker Reinforcing requires 3,180 hours of paid on-the-job training, 2 levels of technical training & exam. Journeyman awarded after successful completion. As an apprentice, you earn while you learn. 80% of all Local 97 apprentices have their Red Seal Journeyman Certificate in 3 years.

### Key Skills & Attributes

(technical training and on the job)

- Strong communication, problem-solving & planning skills
- Reading and numeracy
- Physical strength & muscular coordination
- Ability to work at heights & in diverse weather
- Ability to identify dangerous situations and act swiftly & decisively in emergencies
- Ability to work in a collaborative environment

## DID YOU KNOW?

Ironworking is a multi-faceted career and involves precision work in a broad range of industries and locations. Local 97 is the largest supporter of ironworking apprenticeship in BC.

