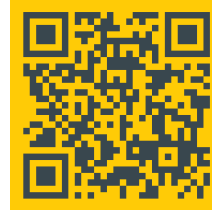


IRONWORKER



"Ironwork is a multi-faceted trade that attracts people who like variety. You have to be able to do a little bit of everything."

ABOUT THIS CAREER

Ironworkers are involved in erecting buildings and bridges as well as other structures. They follow blueprints to hoist and install structural steel as well as precast concrete, concrete reinforcing materials and other metals used in construction. They set up the framework of a building by positioning steel girders or other structural elements and then bolting them into place.

HOURLY PAY (BASED ON JOURNEYPERSON)

Approx. \$40

PROJECTED CONSTRUCTION WORKER RETIREMENTS

~8,100 BY 2029

**BuildForce Canada*



You like working outdoors and with your hands



Agility and a good sense of balance



Comfortable with heights

RESPONSIBILITIES

- Use details from written plans and instructions from supervisors.
- Transport heavy metal pieces from the ground level to a higher location using tools like cranes or working with other team members to help position pieces correctly.
- Build steel or iron structural pieces to build large structures ie: commercial building, bridges, highways.
- Transform metal pieces into functional elements that meet the guidelines of the project by cutting materials and using fabrication techniques.
- Access challenging work positions that are at sometimes high elevations.
- Fabrication and installation of reinforcing steel
- Overhaul and maintenance of industrial plants
- Construction of energy projects and renewable resources
- Welding of structural steel components and fabrication for industrial, commercial and offshore projects

WHAT YOU'LL NEED

Education:

Highschool or equivalent. Complete a three-to four year apprenticeship program. Once you successfully complete the required on-the-job training, technical training and exams, you are awarded a journeyman certificate.

Apprenticeship Program:

3-4 years, includes technical training, on-the-job training and exam. Journeyman certificate awarded after successful completion.

Key Skills & Attributes

- Strong communication and problem-solving skills
- Reading and numeracy, reading, communication, problem-solving
- Ability to read and interpret blueprints
- Ability to work in high places
- Ability to work in a collaborative environment



DID YOU KNOW?

The Golden Gate Bridge was built by Ironworkers! As well as testing and building facilities for the Stealth Fighter and Space Shuttle, the famous St. Louis Arch & the Oil Sands Plant Expansion in Alberta, to name a few. Nearly every structure you can think of - schools, sports stadiums, shopping malls, hospitals, bridges, office and industrial buildings - all required the skills of trained ironworkers.



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