

# IRON WORKER

## Nature of the Work

The Iron Worker is a craftsperson who fabricates, erects, assembles and installs fabricated structural metal products, usually large steel beams, in the erection of industrial, commercial or large residential buildings. The Structural Iron Worker erects the steel framework of bridges, buildings and other structures including metal storage tanks and overhead crane runways that support heavy equipment. The Reinforcing Iron Worker (rodman) sets steel bars of steel mesh in concrete forms to strengthen concrete in buildings and bridges. The Ornamental Iron Worker installs curtain walls, window sash, overhead doors, metal stairways, catwalks, gratings, grills, screens, fences and decorative iron work.

## Working Conditions

With the exception of some ornamental ironwork, remodeling and repair work, and on occasions where temporary shelters can be set up, most of the work is done out of doors. Most iron work can be carried on year round except in instances of very severe weather. Because an Iron Worker risks injury, such safety devices as nets, safety belts, and scaffolding are used. An Iron Worker does a great deal of climbing, balancing, and reaching.

## Interest and Personal Qualities

An Iron Worker must receive satisfaction from tangible productive results and must be able to work to prescribed close tolerances and rigid standards. Naturally, a person cannot be afraid of working in high places and must also have an acute awareness of the danger to themselves and be willing to assume responsibility for the safety of fellow workers.

## General Qualifications

- Age 18 years or older
- Minimum education - high school graduate or equivalent
- Good physical condition - since the materials used in the Iron Working trade are heavy and bulky, above average physical strength is necessary. Agility and a good sense of balance is also required
- American citizenship

## Admission Requirements of JATC

- Completed questionnaire
- Medical examination
- Aptitude test
- Drug test
- Personal interview
- High School diploma or equivalent

## Terms of Training

- Length of indentureship - 4 years.
- Minimum hours of related classroom instruction - 204 hours each year.
- Indentured to Joint Apprenticeship committee and assigned to a general contractor or a contractor employer of Iron Workers.
- Length of probationary period – 500 work hours.

## Recommended High School Courses

Drafting, Welding, Industrial Arts

## Available Applications

Ironworkers Local 340 - Multi Trades Skill Center  
510 ½ East Columbia Avenue  
Battle Creek, MI 49015  
Phone (269) 962-4477  
FAX (269) 963-7633  
Dane Bowers, Training Coordinator  
E-mail: [iwjac340@net-link.net](mailto:iwjac340@net-link.net)  
Bruce Hawley, Career Opportunity Consultant  
(269) 962-8511 or (616) 451-8391



All applicants are afforded equal opportunity without regard to race, religion, color, sex, national origin, age or disability.