

# **IRONWORKER**

## **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
- Birth Certificate
- Social Security Card
- Valid Drivers License

## **Admission Requirements of JATC**

- Completed Application
- Drug Screen
- Work Keys Entrance Level Testing ( Applied Math, Locating Information, Performance Assessment) \*Done at Training Center

## **Terms of Training**

- Length of indentureship – 4 years
- Minimum hours of related classroom instruction - 208 hours each year.
- Length of probationary period – 6 months
- Indentured to Joint Apprenticeship committee and assigned to a general contractor or a contractor employer of Iron Workers.

## **Recommended High School Courses**

- Math, Welding, Mechanics, Communications

## **Available Applications**

**Ironworkers Local 25 Training Center**, Kevin McDonel, 50490 Pontiac Trl, Wixom, MI 48393, Ph: (248) 960-2130,  
Fx: (248) 960-0980, [www.ironworkers25.org](http://www.ironworkers25.org)

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