

# STRUCTURAL STEEL INSTALLER

## DESCRIPTION

Structural steel installers fabricate, assemble, fit and install steel or other metal components for buildings, bridges, towers, and other similar structures. Structural steel is used extensively for building structures because this material is extremely reliable, durable, and can easily withstand harsh weather conditions.

## SKILLS

- Work safely as a team, following written and oral directions
- Read and interpret documents, work with numbers to perform calculations
- Comfortable working with heights
- Able to perform heavy manual labour for prolonged periods of time
- Problem solving skills to provide solutions to challenges
- Ability to work with heavy equipment

## DUTIES

- Install and repair the metal structures that form the steel skeleton of buildings, bridges and towers
- Put steel bars in concrete to reinforce concrete structures
- Weld or bolt steel in place
- Install ornamental metalwork
- Signal crane operators to lift/move steel
- Install structural and architectural concrete components for buildings, bridges, towers and other structures

## EDUCATION

- **Completion of high school is mandatory**
- Apprenticeship program
- An ironworker is a voluntary trade in Ontario

## RELATED PATHWAY OPTIONS

Reinforcing Steel Installer

**SALARY RANGE \$58,000 to \$88,000**

VISIT [WWW.MYOCCA.CA](http://WWW.MYOCCA.CA) FOR MORE CAREERS IN CONSTRUCTION

## WHERE TO TRAIN

### COURSES AVAILABLE AT YOUR LOCAL IRONWORKER UNION HALL

## OTHER OPTIONS

IRONWORKER LEVEL 1 SAULT COLLEGE

WELDING TECHNIQUES FANSHAWE COLLEGE

WELDING TECHNIQUES LAMBTON COLLEGE

## GETTING STARTED

### THE OCCA CAN HELP YOU EXPLORE THESE THREE PATHWAYS:

- 1** You can begin by applying for a job directly in the Construction Industry. Once you begin working with a Construction Company or Contractor you will quickly gain the necessary skills needed to advance yourself through in-house, work-as-you-learn training.
- 2** You can get started through an apprenticeship program by combining on the job training with technical in-class training, gaining experience and increased responsibility. You can work in the industry, get paid, and work towards earning credits .
- 3** You can enroll in a University, Community College or a Private Technical School to study and prepare yourself for a Career in Construction. All of this information may be found through our website.

