

More South Dakota Hot Careers

Beyond the
Top **30**



High Demand & High Wage Career

Career Cluster: Architecture &
Construction

Structural Iron and Steel Workers

Standard Occupational Code 47-2221

What They Do

Raise, place and unite iron or steel girders, columns and other structural members to form completed structures or structural frameworks. May erect metal storage tanks and assemble prefabricated metal buildings.

Is This For You?

Work Interests are described in the following categories (compatible with Holland's Model). People who tend to succeed in this career are:

Realistic (Doers) — Prefer to work with objects, things, machines, tools, plants or animals. They have mechanical ability, enjoy being outdoors and working with their hands.

Investigative (Thinkers) — Interested in science and logic. They like to analyze, evaluate and solve problems, and enjoy learning and understanding the causes of events.

Work Values are aspects of work that are satisfying to you. The following work values are generally associated with this career.

Support — Offer supportive management that stands behind employees.

Relationships — Allow employees to provide service to others and work with co-workers in a friendly, non-competitive environment.

Working Conditions — Offer job security and good working conditions.

Abilities reflect a person's aptitude to acquire skills and knowledge. The following abilities are important for success in the career.

- Multi-limb Coordination
- Static Strength
- Arm-Hand Steadiness
- Manual Dexterity
- Near Vision
- Visualization

Basic Skills You Need

- Coordination
- Operation and Control
- Operations Monitoring
- Active Listening
- Critical Thinking
- Active Learning
- Complex Problem Solving
- Judgment and Decision Making
- Monitoring
- Quality Control Analysis

Education & Training

The minimum of a high school diploma or equivalent is recommended for structural iron and steel workers, followed by learning the trade on the job.

Recommended Levels* for the National Career Readiness Certificate

Applied Math	3
Workplace Documents	3
Graphic Literacy	3

*Using the median skill level.

Where They Work

The South Dakota industries which employ the largest number of structural iron and steel workers are:

- Construction of Buildings
- Heavy and Civil Engineering Construction
- Specialty Trade Contractors

South Dakota Employment & Wages

2020 Workers	2030 Workers	Numeric Change	Percent Change	Average Annual Demand for Workers	Annual Median Wage	Annual Average Wage
952	1,100	148	15.6%	119	\$47,040	\$48,910

Additional References

Labor Market Information Center

www.dlr.sd.gov/lmic

Career OneStop

www.careeronestop.org

O*Net Online

www.onetonline.org

mySkills myFuture

<https://www.myskillsmyfuture.org/>

Provided By

Labor Market Information Center
South Dakota Dept. of Labor and Regulation
605.626.2314

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