Structural Iron and Steel Workers

**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

More South Dakota HOT CAREERS Beyond the TOP 30
Basic Skills You Need

- Coordination
- Operation and Control
- Operation Monitoring
- Active Listening
- Critical Thinking

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.

A registered apprenticeship is another option for preparing for this occupation. To learn more, visit StartTodaySD.com to be connected with a staff person at your nearest Job Service office who can help you get started.

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
- Self Employment

South Dakota Employment & Wages

<table>
<thead>
<tr>
<th>2018 Workers</th>
<th>2028 Workers</th>
<th>Numeric Change</th>
<th>Percent Change</th>
<th>Average Annual Demand for Workers</th>
<th>Annual Median Wage</th>
<th>Annual Average Wage</th>
</tr>
</thead>
<tbody>
<tr>
<td>752</td>
<td>845</td>
<td>93</td>
<td>12.4%</td>
<td>103</td>
<td>$40,383</td>
<td>$40,674</td>
</tr>
</tbody>
</table>

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

Visit dlr.sd.gov/hotcareers to obtain the most recent workforce data and trends and more resources, including this document. Also available are explanations of the terms used in this occupational profile.

Auxiliary aids and services are available upon request to individuals with disabilities. U.S. DOL funded. For details, see dlr.sd.gov/lmic/eta_grant.aspx.

Printed on recycled paper.