

Ironworkers

SOC: 47-2171 • Career Profile Report

■ Key Facts

\$61,940 Median Salary	85,100 Employment	+4.0% Growth Rate
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■ Requirements & Salary Range

Education: High school diploma

■ Automation Risk Assessment

Medium Risk - 35.0% probability of being automated in the next 10-20 years.
This job has some routine elements but still requires human judgment and interaction.

■ Work-Life Balance

5.1/10 - Fair work-life balance

■ Personality Fit (RIASEC)

Higher scores indicate better personality fit for this career type.

Realistic	9.4/10	Investigative	5.8/10
Artistic	4.0/10	Social	5.0/10
Enterprising	5.0/10	Conventional	6.0/10

■ Top Skills Required

Ability to work at heights, Balance, Critical thinking, Depth perception, Hand-eye coordination, Physical stamina, Physical strength

✓ Strengths

- High Demand
- Flexible Work
- Continuous Learning

■ Challenges

- Burnout Risk
- Rapid Technological Change

■ What They Do

Ironworkers typically perform the following tasks:

- Determine quantities, sizes, shapes, and locations of reinforcing rods from blueprints, sketches, or oral instructions.
- Space and fasten together rods in forms according to blueprints, using wire and pliers.
- Position and secure steel bars, rods, cables, or mesh in concrete forms, using fasteners, rod-bending machines, blowtorches, or hand tools.
- Cut rods to required lengths, using metal shears, hacksaws, bar cutters, or acetylene torches.
- Place blocks under rebar to hold the bars off the deck when reinforcing floors.
- Cut and fit wire mesh or fabric, using hooked rods, and position fabric or mesh in concrete to reinforce concrete.
- Bend steel rods with hand tools or rod-bending machines and weld them with arc-welding equipment.
- Unload rebar from trucks.
- Use forklifts or cranes to move construction material, such as rebar.