



Welder/Fabricator

1. **Beginner:** Pay Range: \$18.00-\$20.00

Education/Training: High school diploma or equivalent. Completion of a welding program or apprenticeship is beneficial.

Skills/Requirements:

- Basic knowledge of welding techniques, safety procedures, and equipment operation.
- Ability to read and interpret simple welding blueprints or diagrams.
- Familiarity with basic welding processes such as shielded metal arc welding (SMAW), gas metal arc welding (GMAW), and flux-cored arc welding (FCAW).
- Basic understanding of welding materials, including different types of metals and filler metals.
- Proficiency in basic welding joint configurations, such as butt joints and fillet welds.
- Attention to detail and the ability to follow instructions and guidelines.
- Basic math skills for measurements and calculations.
- Basic hand-eye coordination and manual dexterity.

2. **Intermediate:** Pay Range: \$20.00-\$25.00

Education/Training: High school diploma or equivalent. Completion of a welding program or apprenticeship. Some industry certifications or additional training may be required.

Skills/Requirements:

- Proficiency in various welding techniques and processes, including SMAW, GMAW, FCAW, and potentially others like tungsten inert gas (TIG) welding.
- Ability to read and interpret welding blueprints, symbols, and specifications.
- Knowledge of welding codes, standards, and industry practices.
- Experience in working with a variety of metals and materials.
- Familiarity with welding equipment setup, maintenance, and troubleshooting.
- Understanding of welding defects, their causes, and corrective measures.
- Good understanding of safety procedures and practices related to welding.
- Ability to weld in various positions (flat, horizontal, vertical, overhead).
- Strong attention to detail and quality control.

3. **Advanced:** Pay Range: \$25.00-\$30.00

Education/Training: High school diploma or equivalent. Completion of a welding program or apprenticeship. Relevant industry certifications or advanced training is highly beneficial.

Skills/Requirements:

- Expertise in multiple welding processes and techniques.
- Proficiency in reading and interpreting complex welding blueprints and specifications.

- In-depth knowledge of welding codes, standards, and welding procedure specifications (WPS).
- Experience in working with specialized materials, such as stainless steel or aluminum.
- Ability to operate and maintain advanced welding equipment, such as automated or robotic welding systems.
- Strong problem-solving skills for troubleshooting welding issues and optimizing productivity.
- Leadership skills to guide and mentor junior welders.
- Excellent understanding of safety protocols and the ability to identify and mitigate potential hazards.
- Ability to work with precision and meet tight tolerances.
- Continuous learning and staying updated with new welding techniques, technologies, and industry advancements.

4. **Expert: Pay Range: \$30.00+**

Education/Training: High school diploma or equivalent. Extensive years of experience and continuous professional development as a welder. Advanced certifications and specialized training may be required or preferred.

Skills/Requirements:

- Mastery of all aspects of welding processes, techniques, and applications.
- Extensive experience in various welding positions and environments.
- In-depth understanding of welding metallurgy and material science.
- Ability to develop and implement welding procedures to optimize efficiency and quality.
- Expertise in welding inspection and quality assurance techniques.
- Strong project management and planning skills for complex welding projects.
- Excellent communication and interpersonal skills for collaborating with other team members and stakeholders.
- Reputation for consistently producing high-quality welds and meeting project requirements.
- Leadership skills to oversee and manage welding teams or departments.
- Continuous research and innovation in welding technologies and best practices.