



Welder



What They Do

Use hand-welding or flame-cutting equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products positions.

Job Duties

Welders, cutters, soldiers, and braziers use hand-held or remotely controlled equipment to join or cut metal parts. They also fill holes, indentations, or seams in metal products.

- Calculate the dimensions of parts to be welded
- Inspect structures or materials to be welded
- Ignite torches or start power supplies
- Monitor the welding process to avoid overheating
- Maintain equipment and machinery
- Design templates or patterns
- Apply protective or decorative finishes to workpieces or products.

Job Earnings

In **New York State**, the average annual wage for this occupation is:
\$27,460 for entry level workers and **\$50,470** for experienced workers

Education/Training

These occupations usually require a high school diploma. Employees in these occupations need anywhere from a few months to one year of working with experienced employees. A recognized apprenticeship program may be associated with these occupations.

Job Outlook

In New York State, 1,230 welding job openings are predicted annually through 2026 due to creation of new positions, retirement, and attrition.

Career Title - Career Pathway

Ways to start preparing for you future career TODAY!

1

Middle/High School Classes to Take:

- Algebra
- Geometry,
- Mechanical Drawing
- Blueprint Reading

2

Clubs/Extracurricular Activities:

- Math Club
- SkillsUSA
- Camp Hard Hat

3

Local BOCES/Career & Technical Education Programs:

- Genesee Valley BOCES
 - Metal Trades
 - Finger Lakes Youth Apprenticeship Program
- Monroe2BOCES, Engineering and Metal Fabrication Academy: Welding
- Orleans Niagara BOCES, Welding

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Volunteer Opportunities:

- Habitat for Humanity of Genesee County
- United Way of Genesee County
- United Way of Livingston County
- Habitat for Humanity of Livingston County
- Community Action of Orleans & Genesee
- Orleans County Cornell Cooperative Extension
- Community Action of Wyoming County

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Local Colleges/Training:

- Iroquois Job Corps
- Monroe Community College, Welding and Fabrication Certification Program
- SUNY Alfred, Welding Technology
- Erie Community College, Manufacturing and Technical Skills