



## Education Needed

Welding jobs vary widely in their educational requirements.

For entry-level, all training may be on the job.

Higher-level careers may require years of formal education in vocational or technical schools or colleges.

Technical Colleges offer certificates in Welding.

## Skills Needed

1. Mathematical Skills
2. Attention to Detail
3. Steady Hands
4. Physical Strength and Endurance
5. The Ability to Always Learn New Things
6. Good Hand-Eye Coordination
7. Good Communication and Teamwork
8. Ability to Read Blueprints

### Jobs In This Career

Architectural and Structural Metals Manufacturing	47080
Agriculture, Construction, and Mining Machinery Manufacturing	24260
Motor Vehicle Body and Trailer Manufacturing	18770
Other General Purpose Machinery Manufacturing	17430
Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	16160
Boiler, Tank, and Shipping Container Manufacturing	15910
Employment Services	15650
Other Fabricated Metal Product Manufacturing	15050
Ship and Boat Building	14820
Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing	14560

TCHS Graduates  
Who Are Welders  
You May Know

Ryan Clemente  
Dalton McCumber  
Landry Tatum

### Job Openings

Greater than Average  
Growth Rate: 10.9%

### Salary Expectations

Starting = \$26,000  
Average = \$41,000  
Top = \$60,000

## A Day in the Life of a Welder

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

As a Welder, you will use special equipment to apply high heat that joins metal parts in a broad range of industrial applications. You will work in a typical shop environment. Electrical and gas utilities are among the highest-paying employers; the largest employers are in construction and manufacturing. Your job will be physically demanding and requiring of a lot of manual skill. You will use any of more than 100 different processes in flat, vertical, or overhead positions. You will position parts and assemblies, using straightedges, combination squares, calipers, and rulers. You will secure component parts to obtain required configurations and positions for welding. Then you will select torches and other equipment and weld, using aluminum, stainless steel, cast iron, or alloys.