

# Welding

*American Welding Society national certification is available to successful graduates. \**

Toms River Center

2 Year Program

James Mansfield

**T**his program provides students with hands-on instruction in a variety of welding and metal fabrication processes. Upon completion students are prepared for careers in construction, fabrication and repair of industrial and transportation equipment including cars, ships, pleasure crafts and aircraft. They are also qualified for employment in the area of structural welding including the fabrication of bridges, steel structures, pipelines and boilers.

## Related Job Titles

Arc Welder  
Production Line Welder  
Underwater Welder  
Welder/Fabricator  
Welding Sales  
Welding Education

## Skills You Will Learn

- Repair of broken or cracked metal objects
- Build up metal parts using electric arc welding equipment
- How to weld parts of products, such as pipelines, boilers, cars and airplanes using gas and electric welding equipment
- Shielded metal arc, gas metal arc welding
- Gas tungsten arc, flux core arc welding
- Oxy-fuel cutting
- Plasma arc cutting
- Submerged arc welding

## Preferred Skills for Career Field:

*You should prefer:*

- Working with machines and tools
- Doing precision work
- Making decisions based on measurable information
- Working from sketches, drawing or blueprints

## Career Ladder

Most welders start as helpers or metal fabricators. Skilled welders may become inspectors, technicians or supervisors. With college training they may become welding engineers.

## Continuing Education

Ocean County Vocational Technical School  
United States Military  
Hobart School of Welding Technology  
Ohio Technical College  
The Lincoln Welding School  
Welder Training & Testing Institute  
Pennsylvania College of Technology  
Divers Academy of the Eastern Seaboard

**\*After completing two years (900hrs) of the program, students must successfully pass the American Welding Society (AWS) exam in order to receive a Welding certification.**