

# Welding Technology

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

Toms River Center

2 Year Program

Mr. 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

## Skills You Will Learn

- Repair of broken or cracked metal objects
- Build up metal parts using electric welding or brazing equipment
- How to weld parts of products, such as pipelines, boilers, cars and airplanes using gas and electric welding equipment

## Worker Requirements

*You should prefer:*

- Working with machines and tools

*You should be able to:*

- Do precision work
- Make decisions based on measurable information
- Work from sketches, drawing or blueprints

*Physically you must:*

- Lift and carry at least 50 pounds
- Have manual dexterity
- Stand for long periods
- Stoop, kneel and crouch

## 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  
Hobart School of Welding Technology  
The Lincoln Welding School  
Welder Training & Testing Institute  
Ferris State University  
Ohio State University  
Pennsylvania College of Technology  
Le Torneau University  
Underwater Welding Divers Academy  
Of the Eastern Seaboard, Inc..

## Additional Information

National Certified Pipe Welding Bureau  
5530 Wisconsin Ave  
Washington, DC 20015

American Welding Society  
550 Lejeune Road  
Miami, FL 33126

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