

## Why Welding Technology?

- A vast knowledge of welding can lead you to many different careers in places all around the globe. Welding is a trade that will never become lost in the ever-changing world of technology. There will always be a need for highly-skilled and knowledgeable welders.
- ENMU-Roswell classes are taught by American Welding Society (AWS) Certified Welding Inspectors/Certified Welding Educators with years of knowledge and experience to deliver the tools needed in the welding industry.
- By the year 2024, there will be an estimated 400,000 welding jobs available in the U.S. alone. This is due to the increasing number of welders at retiring age.



# Welding Technology

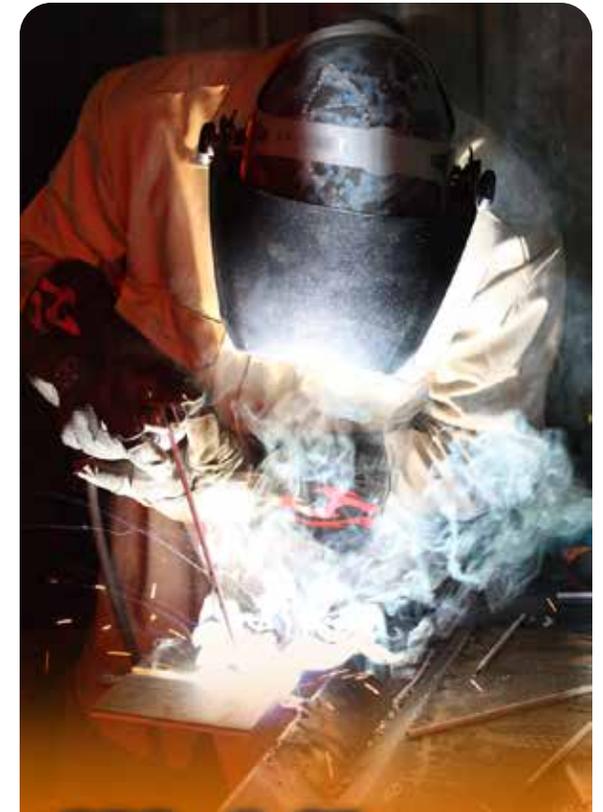


**ENMU**  
EASTERN NEW MEXICO UNIVERSITY ROSWELL  
The Community University

**WELDING TECHNOLOGY PROGRAM**  
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## Program Overview

Using a variety of the “hands-on” equipment and the latest in technology training, students in the Welding Technology Program will become qualified in various welding procedures offered within the course structures. This will give a student the ability to produce sound weld tests required by most companies.

Students will also be introduced to a number of related welding concepts, including safety, basic electricity, AC/DC currents, positive and negative polarity, electrode selection and identification.

Students successfully completing the program are skilled in the latest advances in welding technology. Current graduates are gainfully employed in a wide variety of large and small shops in the area.

## Completion Options

The ENMU-Roswell Welding Technology Program offers three Certificates of Employability and an Associate of Applied Science Degree.

- COE-Basic
- COE-Structural Welding
- COE-Pipe Welding
- AAS in Welding Technology

The Welding Technology Program is a Fall start program; therefore, students must take all scheduled courses each semester to continue through the program.

See the [current catalog](#) for the complete certificate and degree requirements.

## Career Outlook

Careers in welding are in high demand in a variety of industries. Job titles include: Welding Fabricator, Pipe Welder, Structural Welder, Sanitary Stainless Steel Tubing Welder, Fitter, Business Owner, Shop Foreman, Educator, and Welding Inspector, just to name a few.

The median annual Welder I salary is approximately \$37,245. The salary range is generally between \$32,409 - \$42,798, however this can vary widely depending on a variety of factors.

## Program Learning Outcomes

In addition to supporting institutional learning outcomes and building upon the foundational general education outcomes, upon completion of this program students will be able to:

1. Demonstrate and understand the Shielded Metal Arc, Gas Metal Arc, and the Gas Tungsten Arc process by practicing hands-on skills in order to complete weld certification testing to appropriate welding code parameters.
2. Display hands-on skills with the Oxy-Acetylene, Plasma, and Carbon Arc Gouging cutting methods to a proficient level.
3. Demonstrate and understand basic print reading, layout, shop math and calculations.
4. Apply critical thinking skills toward welding fabrication and pipe fitting.

## WELDING TECHNOLOGY PROGRAM

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