

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.



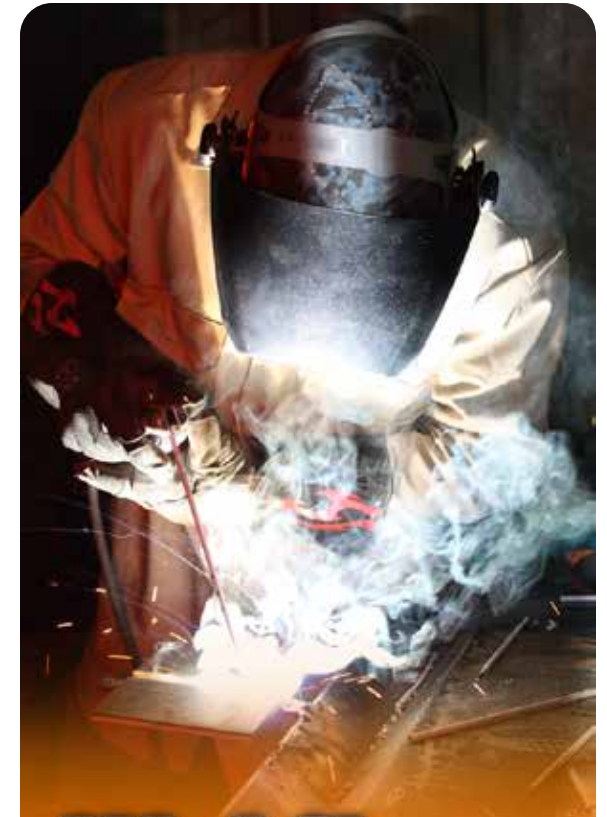
Welding Technology



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.

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