

OVERVIEW

This two-year program is designed to prepare students for the many careers available in welding. Look around your world at all the items constructed by welders including bridges, furniture, buildings to name just a few.

Certified Welding Technicians are in demand all over the WORLD!

YOU WILL LEARN

- Industrial and Welding Safety
- Oxyacetylene Cutting/Welding
- Shielded Metal Arc Welding
- Metal Inert Gas Welding (Mig)
- Tungsten Inert Gas (Tig)
- Welding Fabrication
- Welding Blueprint Reading



A TYPICAL STUDENT

The typical student is creative and enjoys hands-on projects. Students who enroll in Welding Technology are interested in making a vision come to life through the use of metal. A good work ethic and initiative will take students far in a welding career.

GET YOURSELF READY

To be prepared, focus on art, English, communication, math and technology classes. Develop your communication skills and work hard in your academic classes.





POTENTIAL CAREERS

- Welders
\$39,400
- Ironworkers
\$50,800
- Assembler and Fabricator
\$30,930
- Boilermakers
\$62,060
- Materials Engineers
\$99,310
- Metal and Plastic Machine Worker
\$34,840

All career and salary information is cited from the Bureau of Labor Statistics.



YEAR ONE

First year students will learn industrial safety, oxyacetylene cutting and welding basic shield, metal arc welding and proper equipment set up and uses. Students will learn how to properly cut metals and create holds and bevels and oxyacetylene welds. Students will learn multi pass fillet welds utilizing the shielded metal arc process according to AAWS and industry standards.

Ivy Tech Community College Dual Credits

WELD 100	Welding Technology	3 credits
WELD 108	Shield Metal Arc Welding I	3 credits
WELD 206	Shield Metal Arc Welding II	3 credits



YEAR TWO

Second-year students have the opportunity to learn additional skills in advanced Shielded Metal Arc Welding, Advanced Mig Welding. Basic Tig and Welding and Fabrication. Students will prepare to earn their Welding Certifications.

Industry Certifications

American Welding Society Certifications

Ivy Tech Community College Dual Credits

WELD 109	Oxy-Fuel Gas Welding & Cutting	3 credits
WELD 207	Gas Metal Arc Welding	3 credits
WELD 208	Gas Tungsten Arc Welding	3 credits



WHEN YOU FINISH

Students can secure a career in industry or go on to a 2-year college to major in welding and welding processes. Students can attend a 4-year college and pursue a degree in engineering.



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