

# WELDING PATHWAY - WELDING II



## Program Overview

This course is designed for individuals who intend to make a career as a Welder, Technician, Designer, Researcher, or Engineer. Emphasis is placed on safety at all times. OSHA standards and guidelines endorsed by the American Welding Society (AWS) are used. Instructional activities emphasize properties of metals, safety issues, blueprint reading, electrical principles, welding symbols, and mechanical drawing through projects and exercises that teach students how to weld and be prepared for postsecondary and career success.



## Dual Credits & Post Secondary Options

2 hours of dual credit from IVY tech.

- Weld 208 - Gas Tungsten Arc (TIG) Welding (3 credit hrs)
- Weld 272 - Advanced Gas Metal (MIG) Welding II (3 credit hrs)
- Weld 273 - Advanced Gas Tungsten Arc Welding II (3 credit hrs)
- Articulation agreement with Indiana/Kentucky/Ohio Regional Council of Carpenters (IKORCC)

## Certifications

AWS SENSE

- SENSE GMAW
- SENSE GTAW
- SENSE FCAW

## Recommended Qualifications

- Students can enroll in the Welding II program as a junior or senior after successfully completing Welding I.
- GPA of a 2.5 or higher is recommended.
- Interview process may be required.
- A genuine interest in advanced manufacturing.
- Good communication and social skills.
- Must be able to handle a very structured environment,
- Basic Math, Literacy, Science foundational skills
- Ability to handle quick-paced, high-pressure situations in a high-risk environment that is often loud
- Ability to work independently after the given direction
- Physical activity involved
- No discipline referrals or out of school suspensions.
- No more than ten absences per year
- Students are required to stay in the program for the entire school year.

## Pathway Courses (NLPS)

- Welding Technology Capstone - 7226

## Estimated Student Cost Supplies/Materials

**Total: \$160** - Students would have already purchased their own personal protective equipment such as: personal protective equipment (boots, welding gloves, safety glasses, jackets and hood)

AWS Certification	\$35.00
Consumables	\$125.00

