

# WELDING PATHWAY - WELDING I



## Program Overview

Principles of Welding Technology includes classroom and laboratory experiences that develop a variety of skills in oxy-fuel cutting and basic welding. Welding is utilized in many industries, including automotive, construction, manufacturing, shipbuilding, oil refineries, and transportation. Some of the processes students learn in this program are GMAW, GTAW, SMAW, OxyAcetylene cutting, and Plasma Hand CNC cut.

## Dual Credits & Post Secondary Options

12 hours of dual credit from IVY tech.

- Weld 100 - Welding Fundamentals (3 credit hrs)
- Weld 108 - Shielded Metal Arc Welding I (3 credit hrs)
- Weld 206 - Advanced Shielded Arc Welding II (3 credit hrs)
- Weld 207 - Gas Metal Arc (MIG) Welding (3 credit hrs)
- Articulation agreement with Indiana/Kentucky/Ohio Regional Council of Carpenters (IKORCC)

## Pathway Courses (NLPS)

- Principles of Welding - 7110
- Shielding Metal Arc Welding I - 7111
- Gas Welding Process - 7101



## Recommended Qualifications

- Students can enroll in the Welding I program as a sophomore, junior or senior.
- 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.

## Certifications

AWS SENSE

- SENSE SMAW

## Estimated Student Cost Supplies/Materials

**Total: \$160** - does not include personal items students must have for the program such as: personal protective equipment (boots, welding gloves, safety glasses, jackets and hood).

AWS Certification	\$35.00
Consumables	\$125.00
Estimated Personal Cost	\$150.00

