Utilizing Ivy Tech Community College's partnership with the American Welding Society is a local and cost-efficient method to provide competency-driven training for your employees. Training is largely hands-on, focusing contact-time on skills-building, facilitated by Certified Welding Educators (CWE). Certification confirms that your employees can weld to industry standards, welding efficiently, productively, and safely.

Industry or production specific requests can be accommodated to fully integrate the course outcomes to meet your strategic goals. Additional course objectives for various welding conditions are available.

**BENEFITS TO YOUR ORGANIZATION**
- Improve organizational efficiency and productivity; reduce re-work and rejections
- Local, accredited welding instruction saves your downtime and travel expense for training
- Certify your incumbent workforce using globally-recognized standards
- Rapid response and implementation of process-driven training means you begin training immediately
- Demonstrate to your customers your organization's high level of commitment to quality products and services
- Provides a marketable edge over your competitors using non-certified welders

**COURSE OBJECTIVES**
- Exhibit an understanding of and an ability to execute safety practices when using GMAW
- Perform welds using solid wire
- Apply the GMAW short circuit and spray transfer methods to produce quality groove and fillet welds in the overhead position
- Perform procedures for conducting routine maintenance on gas metal arc welding equipment
- Identify the gases used in GMAW, their advantages and disadvantages
- Identify the five different types of joints

**TRAINING DESCRIPTION**
This course will provide the student with a thorough understanding of hazards and safety procedures used in gas metal arc welding; metal transfer, shielding gases, and adjustment of equipment. Students will be able to produce quality gas metal arc welds in the overhead position on stainless steel from 3/16 inch sheet to 1/2 inch plate, single and multiple pass using short circuit and spray transfers. Students will be able to produce quality multiple pass, groove welds, and fillet welds on stainless steel plate in the overhead position. Students will also learn to troubleshoot problems, apply corrective measures, and perform quality checks on the welds. AWS techniques for visual inspection and mechanical testing will be used to determine quality of welds.

**HOURS AND COST**
Your Gas Metal Arc Welding, Overhead Position, with Stainless Steel course is a 45 hour training activity, scheduled at your convenience for up to a maximum of 8 participants. Pricing includes training administration, instruction, class handouts and materials, training consumables, American Welding Society Membership, and a certification testing voucher.

Suggested Retail Price: $7,200
(Additional participants may be available at an additional cost)

For additional information or to order this course, please contact your account manager.