

# WELDING TRAINING FOR EXISTING JOBS

## Ivy Tech Community College

At A.K. Smith Center in Michigan City



### **WELD 207 -- Gas Metal Arc (MIG) Welding (no prerequisites)**

Hands-on experience with various gas metal welding (GMAW) processes including microwire, flux-core, inner shield, and submerged arc with emphasis on metal inert gas. Techniques of welding in all positions on various thicknesses metal. Learn about shielding gases, American Welding Society structural steel visual acceptance criteria, safety, assessing defects and discontinuities in welds, flux cored welding techniques and aluminum welding.

**HANDS ON                      8 WEEK                      QUICK COURSE**

**Monday and Tuesday,**

**6:00 to 9:50 PM,**

**June 10 through July 30**

**at**

**A.K. Smith Center**

FOR FURTHER INFORMATION CONTACT STUDENT SERVICES AT IVY TECH COMMUNITY COLLEGE, MICHIGAN CITY CAMPUS 3714 Franklin Street,  
Michigan City, IN 46360, (219) 879-9137

**Funding to cover the cost of tuition available for La Porte County residents enrolling in this course.**

**CHECK OFF THE STEPS TO A CERTIFICATE IN STRUCTURAL WELDING  
AND AN OPPORTUNITY FOR A HIGH PAYING CAREER!**

**TRAINING COURSES and SKILLS DEVELOPED  
During the coming months**

- WELD 100**     **Welding Processes**  
Preparation for the OSHA 10 Hour General Industry Certification exam
- WELD 108**     **Shielded Metal Arc Welding I**  
Extensive practice in five basic welding joints
- WELD 206**     **Advanced Shielded Metal Arc Welding**  
Preparation for the American Welding Society certification exam in metal arc.
- WELD 207**     **Gas Metal Arc (MIG) Welding**  
Extensive practice in MIG welding and quality assurance of welds.
- WELD 208**     **Gas Tungsten Arc (TIG) Welding**  
Extensive practice in welding mild steel, stainless steel, aluminum and other weldable metals
- WELD 272**     **Advanced Gas Metal Arc (MIG) Welding**  
Preparation for the American Welding Society certification exam in MIG.
- WELD 273**     **Advanced Gas Tungsten Arc (TIG) Welding**  
Preparation for the American Welding Society certification exam in TIG.

**A.K. SMITH AND IVY TECH COMMUNITY COLLEGE OF LA PORTE COUNTY PROPOSED EVENING  
8 WEEK COURSE OFFERINGS AND SEQUENCE FOR ADULTS**

<b>FALL 2018</b>	<b>DESCRIPTION</b>	<b>DATES</b>	<b>DAY</b>	<b>TIME</b>
<b>AUTOMOTIVE</b>				
AUTI100	Basic Automotive Service	8/26-10/19	MW	6:00PM-9:50PM
AUTI111	Electrical Systems I	10/28-12/21	MW	6:00PM-9:50PM
<b>CONSTRUCTION</b>				
BCTI100	Introduction to Construction Technology	8/26-10/19	MW	6:00PM-9:50PM
BCTI101	Introduction to Carpentry, Part I	10/28-12/21	MW	6:00PM-9:50PM
<b>ADV. MANUFACTURING</b>				
ADMF 101	Key Principles of Advanced Manufacturing	8/26-10/19	MW	6:00PM-9:50PM
ADMF 102	Technology in Advanced Manufacturing	10/28-12/21	MW	6:00PM-9:50PM
<b>LOGISTICS</b>				
LOGM 127	Introduction to Logistics	8/26-10/19	MW	6:00PM-9:50PM
LOGM 201	Logistics Quality and Lean Manufacturing	10/28-12/21	MW	6:00PM-9:50PM
<b>MANUFACTURING</b>				
MPRO 100	Introduction to Plant Floor & CNC Principles	8/26-10/19	MW	6:00PM-9:50PM
MPRO 101	Shop Mathematics	10/28-12/21	MW	6:00PM-9:50PM
<b>PRODUCTION TECHNICIAN</b>				
MSSC(ADMF101)	Certified Production Technician)	8/26-10/19	MW	6:00PM-9:50PM
MSSC(ADMF102)	Certified Production Technician)	10/28-12/21	MW	6:00PM-9:50PM
<b>WELDING</b>				
WELD 100	Welding Processes	8/20-10/13	MW	6:00PM-9:50PM
WELD 108	Shielded Metal Arc Welding I	10/18-12/15	MW	5:00PM-9:50PM

<b>SPRING 2019</b>		<b>DATES</b>	<b>DAY</b>	<b>TIME</b>
<b>AUTOMOTIVE</b>				
AUTI121	Brake Systems	1/14 -3/11	MW	6:00PM-9:50PM
AUTI131	Engine Performance Systems I	3/18 - 5/11	MW	6:00PM-9:50PM
<b>CONSTRUCTION</b>				
BCTI102	Introduction to Carpentry, Part 2	1/14 -3/11	MW	6:00PM-9:50PM
BCTI130	Introduction to Electrical	3/18 - 5/11	MW	6:00PM-9:50PM
<b>ADVANCED MANUFACTURING</b>				
INDT 103	Motors and Motor Controls	1/14 -3/11	MW	6:00PM-9:50PM
INDT 113	Basic Electricity	3/18 - 5/11	MW	6:00PM-9:50PM
ADMF 112	Automation - Mechatronics Mechanical Systems	1/14 -3/11	MW	6:00PM-9:50PM
ADMF 222	Automation - Mechatronics Pressurized Systems	3/18 - 5/11	MW	6:00PM-9:50PM
<b>LOGISTICS</b>				
LOGM 227	Supply Chain Management	1/14 -3/11	MW	6:00PM-9:50PM
LOGM 228	Principles of Procurement	3/18 - 5/11	MW	6:00PM-9:50PM
<b>MANUFACTURING</b>				
MPRO 103	Manufacturing Automation	1/14 -3/11	MW	6:00PM-9:50PM
MPRO 106	Introduction to Workplace Safety	3/18 - 5/11	MW	6:00PM-9:50PM
<b>PRODUCTION TECHNICIAN</b>				
MSSC(ADMF101)	Certified Production Technician)	1/14 -3/11	MW	6:00PM-9:50PM
MSSC(ADMF102)	Certified Production Technician)	3/18 - 5/11	MW	6:00PM-9:50PM
<b>WELDING</b>				
WELD 206	Advanced Shielded Metal Arc Welding	1/14 -3/11	MW	5:00PM-9:50PM
WELD 207	Gas Metal Arc (MIG) Welding	3/18 - 5/11	MW	5:00PM-9:50PM