



WELDING TECHNOLOGY



LA PORTE COUNTY **CAREER
& TECHNICAL EDUCATION**

A.K. SMITH CAREER CENTER

You'll learn many techniques to join metal parts together through this program, including shielded metal arc welding, gas metal arc welding and gas tungsten arc welding. The program also offers students hands-on experience in oxy-acetylene and plasma cutting, along with computer-assisted welding, burning, and programming. By the time you graduate, you'll be ready for employment, an apprenticeship or higher education in this high-demand field.

Our students have gone on to become pipefitters, artists, corporate welders and military professionals!

LEARN MORE HERE ▶



Potential Careers • Welding Technology

Welding Instructor \$58,000	Welding Engineer \$100,000
Pipe Fitter or Steam Fitter \$62,000	Welder, Cutter, or Welder Fitter \$54,000
Welder, Cutter, Solderer, or Brazer \$50,000	Welding, Soldering, and Brazing Machine Setter, Operator, or Tender \$44,000

Year One

Welding Technology is 70% hands-on in the lab and 30% classroom instruction. Students will learn the fundamentals of the welding and cutting processes, including the underlying science of welding. Other key aspects of year one include safety and the maintenance and repair of equipment.

Industry Certifications:

- AWS Advanced Certifications

Ivy Tech Dual College Credits:

- WELD 101 Welding Fundamentals 3 credits
- WELD 108 Shielded Metal Arc Welding I 3 credits
- WELD 109 Oxy-Fuel Gas Welding/Cutting 3 credits
- WELD 206 Adv. Shielded Metal Arc Welding 3 credits

Year Two

Work toward an AWS (American Welding Society) certification and work on advancing skills. Year two students will take on leadership roles in the shop.

Industry Certifications:

- AWS SENSE Entry Level Certification

Ivy Tech Dual College Credits:

- WELD 207 Gas Metal Arc (MIG) Welding 3 credits
- WELD 208 Gas Tungsten Arc (TIG) Welding 3 credits
- WELD 272 Adv. Gas Metal Arc (MIG) Welding 3 credits
- WELD 273 Adv. Gas Tungsten Arc (TIG) Welding 3 credits

When You Finish

A certified welder has many opportunities in Northwest Indiana for a rewarding career in industry, construction, or small job shops. At the completion of this program, you'll be ready for employment, an apprenticeship, or higher education!



LaPorte County Career & Technical Education

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