



Welding

MON VALLEY CAREER & TECHNOLOGY CENTER



The Precision Metal Working & Welding career pathway is a 3-year program that offers hands-on application, state-of-the-art technologies, and individualized curriculum.

Curriculum Highlights:

In Precision Metal Working/ Welding the curriculum is designed to take a student from the basics of Welding, Machining, and Fabrication to a mastery level where they can achieve multiple industry certifications.

Gain real-life experience working on:

- Shop safety and welding safety
- Metallurgy
- Blueprint reading
- Joint fit-up, alignment, and designs
- GTAW - carbon steel, stainless steel, and aluminum
- SMAW - carbon steel
- FCAW - carbon steel
- GMAW - carbon steel and aluminum
- Plasma arc cutting and OxyFuel cutting
- CNC Cutting / Programming

Software and Equipment Used:

- Auto Cad
- Master Cam
- Torchmate Cad
- Bench Tech Pro

Second & Third Years

- Individualized curriculum
- Industry certification Training
- Welding certification testing
- Live work experience

Career Focus:

You will be prepared to pursue further certifications and education or to enter the workforce as a sheet metal worker, ironworker, fabricator, pipe fitter, shipyard worker, mill wright, welding engineer or welding technician.

For More Information Please Visit Our Web Site:

WWW.MONVALLEYCTC.ORG

This program is a 3-year program. You must complete 2-3 full years of the program to receive a certificate of completion.

Additional Benefits:

- AWS welding certification
- Participate in job shadowing, and paid employment as a Co-Op student
- Opportunities to compete in SkillsUSA and BotsIQ

Campus Location	5 Guttman Ave. Charleroi, PA
Grade Levels	Sophomores, Juniors and Seniors
Fees (subject to change)	NA
Organizations, Affiliations or CTSO	Irwin Automation Matheson Gas Lincoln Electric LPI Bots IQ
College Connections	WCCC CCAC
NOCTI Credit	NA
Industry Certifications	AWS D1.1 SMAW 1G AWS D1.2 GMAW 1G AWS D1.1 SMAW GMAW 3G AWS D1.1 6G PIPE S/P 2 WELDING OSHA 10
Technology Integration	CNC plasma cutting CNC milling/ turning Lincoln Vertex Virtual welder

Instructor:

Vinnie Destefano

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This document is provided to you as an overview of the Mon Valley Career & Technology Center program. The information is not intended to be a binding contract and is subject to change at any time. For more information or clarifications, please see the program instructor.



MON VALLEY
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