

# WELDING

2018-2019



**Welding** students become proficient in performing welding processes, reading blueprints and welding symbols, and developing safe work habits. Upon successful completion of the program, students are eligible to apply for skilled trades apprenticeships, weld and fabricate metal, read and interpret blueprints, and operate CNC fabrication equipment. Junior Welding students earn simultaneous Advanced Math credit.

**Program Highlights:**

- Use advanced welding techniques and fabrication equipment to design, engineer and assemble metal components
- Design and fabricate products to solve manufacturing challenges for clients
- Interpret blueprints to meet critical design specifications

**The Program Focuses on the Following State Approved Courses:**

- Gas Metal Arc Welding
- Shielded Metal Arc Welding
- Flux Core Arc Welding
- Gas Tungsten Arc Welding



**COST-FREE COLLEGE CREDIT OPPORTUNITIES**

**College Credit Plus through Owens Community College**

- WLD 190: Welding – Blueprint Reading (2 Credit Hours)
- WLD 191: Introduction to Welding Processes (2 Credit Hours)
- WLD 192: SMAW (Flat & Horizontal) (2 Credit Hours)
- WLD 262: GMAW Welding (2 Credit Hours)
- WLD 267: Welding Fabrication & Layout (2 Credit Hours)

**Career Technical Credit Transfer (CT2)**

- CTS001: OSHA 10-Hour Safety (1 Credit Hour)

**INDUSTRY-RECOGNIZED CREDENTIALS (POINT VALUES)**

- Ohio State Apprenticeship Council Recognized Pre-apprenticeship Program Certificate of Completion (12 Points)
- American Welding Society (AWS) – Certified Welder (12 Points)
- OSHA 10-Hour Training (1 Point)

**SIMULTANEOUS CREDIT OPPORTUNITIES**

- Juniors have the opportunity to earn a simultaneous Math credit.

**OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY**

OCCUPATION TITLE	TYPICAL SALARY-BOTTOM 10%	TYPICAL SALARY-MEDIAN	TYPICAL SALARY-TOP 10%	EDUCATION LEVEL	ANNUAL JOB OPENINGS
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	\$25,990	\$37,370	\$51,820	HS Diploma or Equivalent	290
Welders, Cutters and Welder Fitters*	\$27,270	\$38,640	\$55,430	HS Diploma or Equivalent	1,970
Sheet Metal Workers*	\$27,550	\$52,080	\$75,240	HS Diploma or Equivalent	480
Sales Representatives, Wholesale and Manufacturing*	\$30,180	\$57,390	\$117,000	HS Diploma or Equivalent	5,120
Pipe Fitters and Steamfitters*	\$31,700	\$52,310	\$79,150	HS Diploma or Equivalent	2,020
First-Line Supervisors of Production and Operating Workers*	\$36,700	\$58,570	\$90,540	HS Diploma or Equivalent	2,900
Sales Representatives, Wholesale and Manufacturing, Technical & Scientific Products	\$39,660	\$70,380	\$129,060	Bachelor's Degree	2,000
Mechanical Engineers*	\$52,650	\$76,350	\$115,350	Bachelor's Degree	1,170
Materials Engineers*	\$55,110	\$88,530	\$140,810	Bachelor's Degree	120

**JOB OUTLOOK COMPILED BY OHIO MEANS JOBS AS OF OCTOBER 2018; VISIT OHIOMEANSJOBS.COM FOR MORE INFORMATION.**

\*Denotes an In-Demand Occupation in the State of Ohio

**Instructor:** John Sliwinski 419.666.1120 Ext. 1408 [jsliwinski@pentacc.org](mailto:jsliwinski@pentacc.org)

**Instructor:** Ryan Thomas 419.666.1120 Ext. 1410 [rthomas@pentacc.org](mailto:rthomas@pentacc.org)

**Supervisor:** Phil Stockwell 419.661.6358 [pstockwell@pentacc.org](mailto:pstockwell@pentacc.org)

**Career Services:** Marshall Wolf 419.661.6372 [mwolf@pentacc.org](mailto:mwolf@pentacc.org)

**Admissions:** Tricia Hornyak 419.661.6498 [thornyak@pentacc.org](mailto:thornyak@pentacc.org)

EDUCATION WITH PURPOSE  
**CAREER TREE**



**TECHNICAL CAREERS**

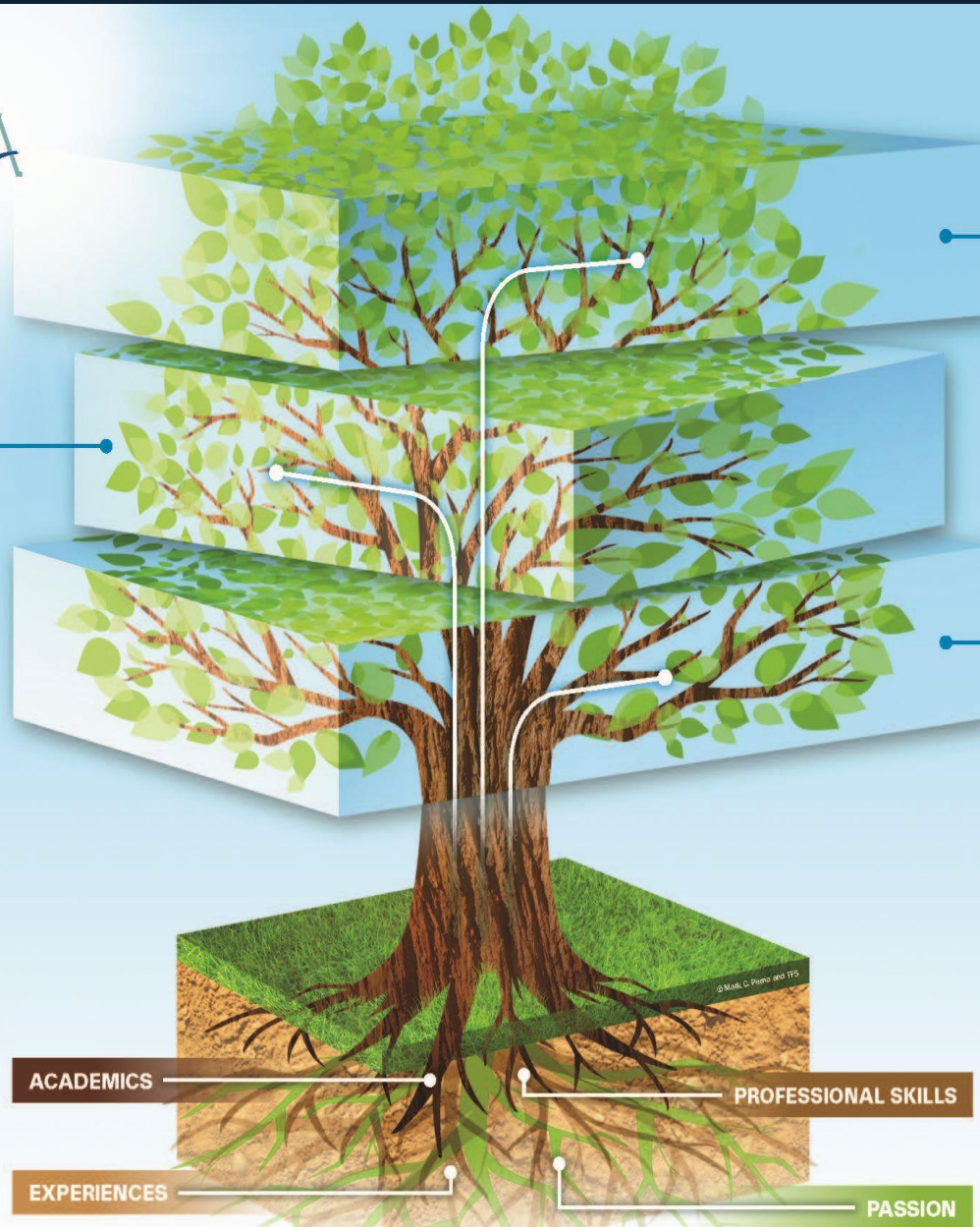
- Welder
- Metal Fabricator
- Non-Destructive Testing Technician
- Combo Welder
- Maintenance Welder
- AWS Welder
- Boilermaker
- Pipefitter/Welder
- Journeyman Welder
- Journeyman Iron Worker
- Journeyman Pipe Welder
- Welding Inspector

**PROFESSIONAL CAREERS**

- Instructor
- Company Owner
- Safety Manager
- Manufacturer Sales Representative
- Project Manager
- Plant Superintendent
- Certified Pipe Welder
- Site Superintendent
- Mechanical/Welding Engineer
- Estimator
- Metallurgist
- Safety Inspector

**ENTRY-LEVEL CAREERS**

- Production Welder
- Fabrication Shop Welder
- Construction Welder
- MIG/TIG Entry-Level Welder
- Iron Worker Apprentice
- Pipe Welder Apprentice
- Fabricator
- Boilermaker Apprentice
- Certified Welder
- Sheet Metal Worker
- Structural Welder
- Repair Welder



**WELDING**



For Career Tree® tools and materials please visit [TFSresults.com](http://TFSresults.com) and call our team at 330.840.2680.

The Education and Training Center® logo, image, and design are property of METEC. The logo and TFS are trademarks of METEC. All other trademarks are the property of their respective owners. Any use of the educational logo, image, or design without written permission is strictly prohibited by law.