



CLASSES DESIGNED WITH THE ADULT STUDENT IN MIND.

We, the adult education staff, strive to work as an effective team. We are an integral part of education that links business/industry and agencies within our community.



Welding, Fabrication & Allied Processes



**650
Hour
Program**

Welding is a career that offers more choices of industries to work in and advancement opportunities than just about any other career choice. Welders are needed in almost every industry and those who want to advance their career have the ability to do so with additional training. A few examples of the fields in which Welders can find career opportunities: Inspection, Engineering, Robotics Education, Project Management and Sales.

Gainful Employment Disclosures
tririvers.com/Gedtweld/Gedt.html

CONSUMER INFORMATION

On-Time Graduation Rate: N/A - New Program for 2016-2017 SY
Job Placement Rate: N/A - New Program for 2016-2017 SY
Median Student Loan Debt: N/A - New Program for 2016-2017 SY
Preparation for: entry level employment
CIP Code: 48.0508 SOC Code: 51-4121.06



2222 Marion-Mt. Gilead Rd.
Marion, OH 43302
740-389-4681 ph
www.tririvers.com
ramtecohio.com



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***Training leading to
nationally recognized
certifications.***

Welding, Fabrication & Allied Processes

650 HOUR COURSE • PREREQUISITES: HIGH SCHOOL DIPLOMA OR GED

flexible solutions for
your career needs

Class: August 2017-January 2018 Monday-Friday, 8:30am-3:30 pm

Tuition.....\$10,400

Fees.....\$95

If you are interested in learning a universal skill that is in high demand and which is not limited to one industry or geographical area, then a career in welding may be for you. Our Welding, Fabrication and Allied Processes program provides training in the dynamic and challenging field of welding. We cover the basics of Shielded Metal Arc Welding, Flux Cored Arc Welding, Gas Metal Arc Welding and Gas Tungsten Arc Welding along with structural fabrication skills and hands-on practice and skill attainment labs.

COURSE OVERVIEW

This program is designed to develop the skills necessary for performing work in the field of welding and fabrication. Instruction will begin with a strong emphasis on safety and will address the many precautions that need to be taken to insure the safe operations of welding and fabrication equipment, as well as general industrial safety. The tools, applied math, layout, print reading, and measuring are explained as well as hands on fabrication. Processes covered are sawing, shearing, and punching of structural steel. Next, instruction will be provided in SMAW (Shielded Metal Arc Welding), GMAW (Gas Metal Arc Welding), FCAW (Flux Cored Arc

Welding), GTAW (Gas Tungsten Arc Welding) and thermal cutting techniques. Eligible students may elect to test under AWS QC 10 certification guidelines in the 3G and 4G positions pertaining to the AWS D1.1 Structural Code. Also covered will be Oxy Acetylene Cutting and Welding, Plasma Arc Cutting and Carbon Arc Cutting. This training serves

as a progressive introduction to the technical skills and practices to prepare students for employment as flame cutters, structural welders, tack welders, welder assemblers, welder helpers, arc cutters and production line welders.

COURSE OUTCOMES

The student will obtain entry level skills and understanding of virtually all the welding and cutting processes used in production and repair today. The student will have the theory, fundamentals of operation, equipment used and techniques recommended for all of the welding, cutting and fabrication processes that are commercially used. The student will have the opportunity of becoming certified under the welding code D1.1 in the processes covered by this class.

COURSE OBJECTIVES

- General and Industry Specific Safety (Welding and Allied Equipment)
- Oxy Fuel, Arc and Inert Gas Theory
- Blueprint Reading, Weld Symbols and Applied Math
- Measuring and Layout
- Use of Hand Tools
- Use of Powered Fabrication Equipment
- Oxy Fuel Cutting and Gouging
- Plasma Arc Cutting
- Shielded Metal Arc Welding
- Gas Metal Arc Welding
- Gas Tungsten Arc Welding
- Flux Core Arc Welding
- 3G and 4G D1.1 Structural Weld Test, SMAW and FCAW 1"
- Intro to Pipe Welding
- OSHA Safety Certifications
- Intro to Lincoln/FANUC Robotic Welding

Credential awarded: Certificate and Individual Industrial Certifications

Possible Certifications:

Students have the opportunity to test for American Welding Society certifications, actual receipt of certification is based on successful passage of certification testing and completion of certifying agency criteria.

AWS Examinations and Certifications will be offered based on each student's progress and aptitudes.

AWS D1.1 SMAW, FCAW, GMAW
AWS D1.6 GTAW
OSHA 10 Safety Certification
ACT National Career Readiness Credential

For details call
INSTRUCTOR:

Levi Retterer

lretterer@tririvers.com

740-389-8588

or

**Tri-Rivers Center For
Adult Education**

740-389-4682 x5500



OUR MISSION

We provide lifelong, continuous learning for a diverse adult population enabling students to overcome barriers and enhance the quality of life for themselves and their families. We utilize practical skills with an eye toward technological advancement.

