

# Welding

## CAREER OPPORTUNITIES:

- Welder/Fitter
- Maintenance Welder
- Sheet Metal Fabricator
- Industrial Production Welder



## Welcome!

Vantage Career Center is for YOU! Any 11th or 12th grade student living within the participating school districts may attend Vantage. Instructors with valuable work experience in their field engage students by teaching technical and academic skills for high demand careers. Programs feature nationally recognized curriculum taught by industry experts using advanced technology and equipment. Students develop the skills and positive attitude necessary to enter the workforce or continue their training and education beyond high school.

## Admission Requirements:

Completion of sophomore year of high school and...  
2 Units of English - 2 Units of Science - 2 Units of Math  
2 Units of Social Studies  
1 Unit of Health & Physical Education



- Use advanced welding techniques to design, engineer, build and troubleshoot complex manufacturing solutions
- Interpret blueprints and specifications using math and critical thinking
- Develop the confidence, work ethic, and stamina necessary for a high-tech career in welding and fabrication

## Career Focus:

Prepare for immediate employment, advanced industrial certifications and further education.

## Certifications:

Eligible for up to 7 American Welding Society (AWS) certifications

## For More Info:

Email

knott.m@vantagecareercenter.com

Call Vantage Student Services

419-238-5411 OR

1-800-686-3944 ext. 2126

Attend Open House @

Vantage from 5:00 – 7:30 pm

on Monday, February 26, 2018

“Like” our Vantage Career Center page on Facebook and follow us on Twitter @vccstudents! That’s where you’ll find information, updates and pictures!



# Welding

## Program of Study

Flux Cored Arc Welding  
Shielded Metal Arc Welding

Basic Joints  
Structural

Pressure Vessel  
Pipe

Gas Metal Arc Welding  
Short Circuit  
Spray

Basic Joints  
Structural

Pressure Vessel

Gas Tungsten Arc Welding  
Basic Joints

Steel

Aluminum

Stainless Steel

Oxyacetylene Welding

Oxyacetylene Cutting (Manual)

Oxyfuel Cutting (Burn Table)

Air Carbon Arc Cutting

Shear Operation

Classroom Related Subjects

Necessary job-related information:

Welding symbols

Blueprint reading

Blueprint sketching

Related math

Plasma Arc cutting

Resistance Welding

Shop safety

Equipment safety

Personal safety

Students who complete the welding program at Vantage consistently have a very high rate of employment, many years reaching 100%.

Average hourly pay for welders is also one of the highest of any Vantage programs. Welding is a physically demanding profession but provides many satisfying rewards.

The American Welding Society (AWS) structural certifications in plate and pipe give our successful graduates the credentials to enter the work field immediately or go on to college.

Vantage is a nationally recognized AWS accredited testing facility and an AWS level 2 training facility.

## **American Welding Society**

Welding students may become members of the American Welding Society (AWS). AWS membership provides students with continued education and updates in welding technology.

