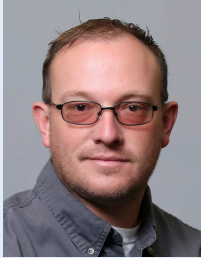


# Welding Technologies

## Branden Otto

Branden is co-Coordinator of Iowa Central's Welding Program as well as Industrial Trainer. He earned a diploma from Iowa Central Community College in Welding Technology. Branden has been with Iowa Central since 2005.



(515)574-1945  
 otto@iowacentral.edu

## Bryce Roberts

Bryce is co-Coordinator of Iowa Central's Welding Program as well as an Industrial Trainer. He has been with Iowa Central since 2007 and has more than 10 years of welding experience in industry.



(515)574-1944  
 roberts\_b@iowacentral.edu

## Kenny Tasler

Kenny earned his diploma from Iowa Central Community College in Welding Technology. Kenny has been a trainer with Iowa Central since 2016 and brings experience as a Marine as well as multiple years of welding in industry.



(515)574-1934  
 tasler@iowacentral.edu

## Training Program

Iowa Central's Welding Technologies (credit) program is designed to teach fundamental techniques and principles. The training program is more specialized in order to fit the business' needs.

Select from any of the following areas for your training or we can customize classes to fit your needs.

- Beginning Welding
- Gas Metal Arc Welding
- Advanced GMAW
- Oxy-Acetylene Welding
- Pipe Welding
- Shielded Metal Arc Welding
- Advanced SMAW
- Gas Tungsten Arc Welding
- Advanced Gas Tungsten Arc Welding
- Maintenance Welding
- Robotic Welding
- Blueprint Reading for Welders
- Welding Qualifications

View more details for each of these areas on the back of this sheet.

## Benefits of Training with Iowa Central

- Affordable Cost
- Experienced Trainers
- Flexible Training Facilities
  - We'll come to you for on-site training.
  - Access to Iowa Central's main campus facilities.
  - Training facilities at Iowa Central's East Campus.

## Call us to get started!

### Julaine Bidleman

Director of Economic and Community Education  
 Iowa Central Community College  
 One Triton Circle  
 Fort Dodge, Iowa 50501  
 (515)574-1900  
 bidleman@iowacentral.edu

### Riley Bleam

Assistant Director of Economic Development  
 Iowa Central Community College  
 One Triton Circle  
 Fort Dodge, Iowa 50501  
 (515)574-1908  
 bleam\_r@iowacentral.edu

# Training Menu

---

## Beginning Welding

- Safety
- Shielded Metal Arc
- Gas Metal Arc
- Oxy-Acetylene
- Horizontal to Flat position

## Gas Metal Arc Welding (GMAW)

- Safety
- Theory of GMAW
- Operation of GMAW equipment
- Flat Position
- Horizontal Position
- Blueprint & Welding symbols
- Pulse Arc Welding

## Advanced GMAW

- Safety
- Advanced theory in GMAW
- Advanced skills in GMAW
- Tubular welding
- Pipe welding
- Vertical position
- Overhead position
- Carbon steel
- Aluminum
- Stainless steel
- FCAW welding
- Metallurgy

## Oxy-Acetylene Welding

- Safety
- All positions
- Hard soldering
- Torch cutting
- Machine cutting
- Special alloy welding
- Fuel Welding
- Braze Welding

## Robotic Welding

- Safety
- Theory of Robotic Welding
- Operation of Robotic Welder
- Maintenance

## Pipe Welding

- Safety
- Theory of pipe welding
- Welding Application
- Mild Steel
- Stainless Steel
- Shielded metal arc
- Gas Tungsten Arc
- Various pipe thickness
- All positions

## Shielded Metal Arc Welding (SMAW)

- Safety
- Theory of SMAW
- Operation of SMAW equipment
- Flat position
- Horizontal position
- Blueprint & Welding symbols

## Advanced SMAW

- Safety
- Advanced theory in SMAW
- Advanced skill in SMAW
- Vertical position
- Overhead position
- Metallurgy
- Pipe welding
- Carbon steel

## Blueprint Reading for Welders

- Communicate symbolically using standard industry representations
- Understanding of Alphabet lines
- Understanding relationship of views
- Dimensions
- Types of prints
- Fillet welding symbols
- Groove welding symbols
- Plug welding symbols

## Gas Tungsten Arc Welding (GTAW)

- Safety
- Theory
- Operation of equipment
- Flat position
- Horizontal position
- Mild Steel
- Stainless Steel

## Advanced GTAW

- Safety
- Advanced theory in TIG
- Advanced skills in TIG
- Vertical position
- Overhead position
- Aluminum
- Stainless steel
- Metallurgy
- Blueprint & Welding symbols
- Pulse

## Maintenance Welding

- Safety
- Repair machines
- Repair fixtures
- Modifications to machines
- Brazing
- Silver Brazing
- Dissimilar Metals
- Hard Surfacing

## Welding Qualifications

### Customized Training

---

---

---

---

---

---

---