

# INDUSTRIAL ARTS INSTITUTE

## NORTHERN MICHIGAN'S PREMIER WELDING SCHOOL

Licensed by the MI Department of Labor and Economic Opportunity (LEO), a Veteran-approved training facility and a 501(c)(3) non-profit organization, offering a premier comprehensive welding and fabrication program that prepares students for successful and rewarding careers in the industry. Welders will perform welding qualification testing on-site in accordance with industry codes. Upon successful completion of testing, individuals will receive welder procedure qualification test records reflecting the parameters for which they are qualified to weld.



### MISSION

- To Educate and Develop Professional Trades' Men and Women
- To Inspire Students to Succeed in Fields That Demand High Standards
- To Cultivate an Affordable and Streamlined Education and Training Path for Students
- To Ensure Curriculum Flexibility that Evolves with Industry
- To Equip Students with Exceptional Education and Training Allowing Them to Begin a Career in Minimal Time and Debt
- To Provide Opportunities for Students to Improve Their Economic Position Within Their Communities



## WORKFORCE-READY WELDERS & FABRICATORS

# ATV OFFROAD CLUB OF MICHIGAN SCHOLARSHIP

AUGUST - DECEMBER 2023 RECIPIENT

COHORT 22



**COLE WOOD**



# COLE WOOD

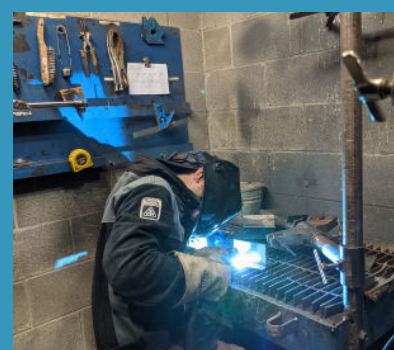
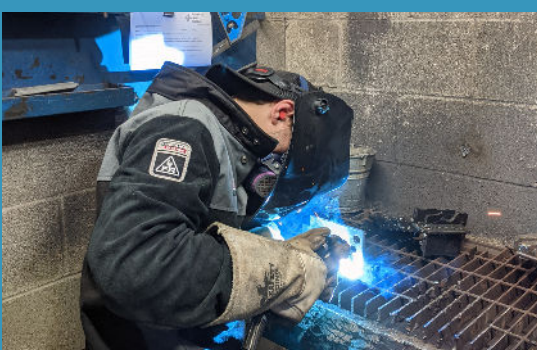
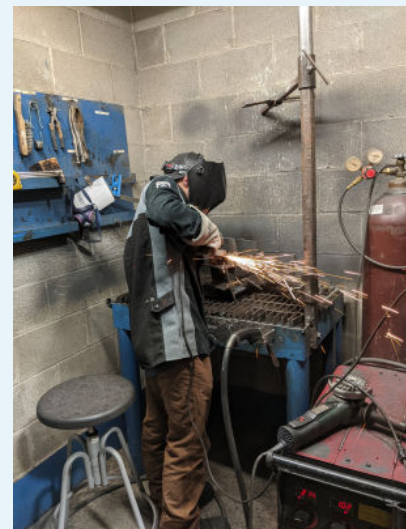
COHORT 22



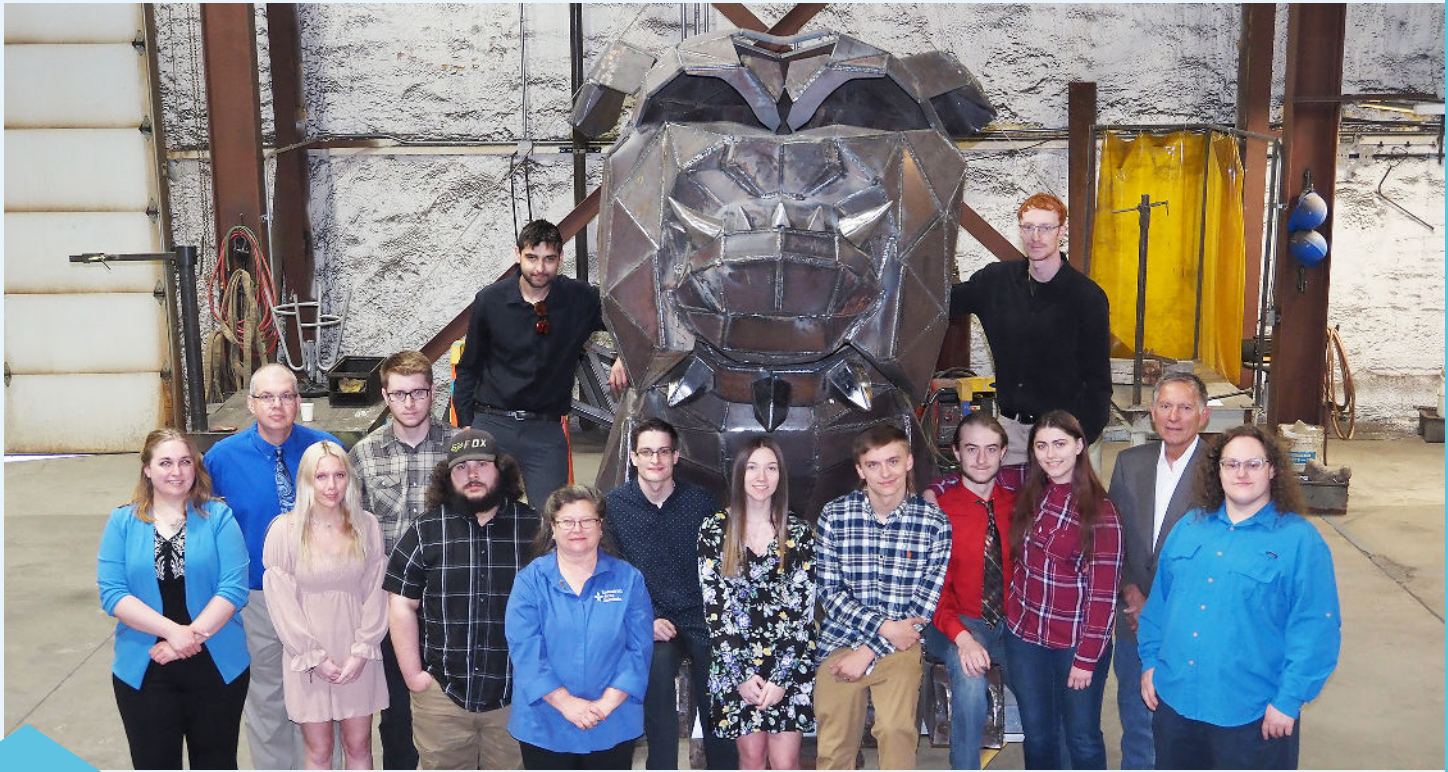
Cole Wood comes to Industrial Arts Institute from East Jordan, Michigan where he graduated from East Jordan High School. He also participated in their Welding CTE program offered.

## MY FUTURE GOALS

In past experiences things that have challenged me were fabrication fit up aspects. I hope to gain the knowledge and experience that will help in pursuing a career in welding and assist me in excelling in fabrication..



# COMPREHENSIVE INDUSTRIAL WELDING



## COURSE DESCRIPTION

This course provides 760 clock hours of employer-model, real-world welding and fabrication training provided by instructors with diverse industry experience. Students spend 80% of their training in our welding lab. Classroom experience is focused on learning welding fundamentals and building skills to be successful members of the workforce. Our curriculum includes:

- Welding technology and blueprint reading
- Advanced Fabrication taught by industry experts
- Oxyacetylene cutting
- Welder mathematics
- Welding automation- Collaborative Welding Robot (Red-D-Arc- BotX)
- Manual & CNC plasma cutting operations
- Shielded metal arc welding (SMAW)
- Gas metal arc welding (GMAW)
- Flux cored arc welding (FCAW)
- Gas Tungsten arc welding
- Introduction to pipe welding

During the course, students' complete fabrication projects, allowing them to put their skills to practical use. Students will have opportunities to earn numerous welder qualifications in all welding processes using various metals including carbon steel, aluminum, and stainless steel.

# INDUSTRIAL ARTS

## INSTITUTE MILESTONES

**2014**

IAI Grand  
Opening  
Celebration

The year IAI  
became a  
Nonprofit.

**2017**

**2017**

Approval as a  
Department of  
Veteran Affairs  
Education  
Training  
Facility

\$83K IAI  
Targeted  
Scholarship  
awards

**2022**

**2023**

\$125K Projected  
IAI Targeted  
Scholarship  
awards

**AVERAGE  
CLASS  
SIZE  
15**

**STUDENT  
AGE RANGES  
17 TO 50+**

**80% LAB  
20%  
CLASSROOM**

IAIWORKS.COM

INSPIRING A NOBLE WORKFORCE

2014 - 2023  
318  
Alumni

97%  
Student  
Retention

92%  
Industry  
Placement



# WHERE DO INDUSTRIAL ARTS INSTITUTE STUDENTS COME FROM?



LEARN FAST. WORK SMART. MAKE MORE.