

# 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

# BAIARDI FAMILY FOUNDATION VOCATIONAL SCHOLARSHIP

AUGUST - DECEMBER 2023 RECIPIENT

COHORT 22



**DRAVEN KARBOWSKI**

# DRAVEN KARBOWSKI

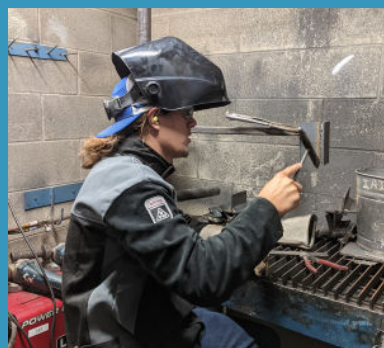
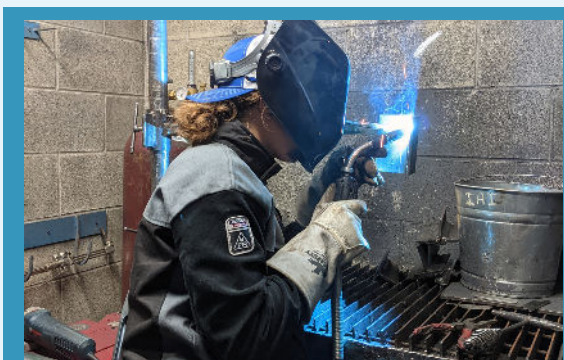
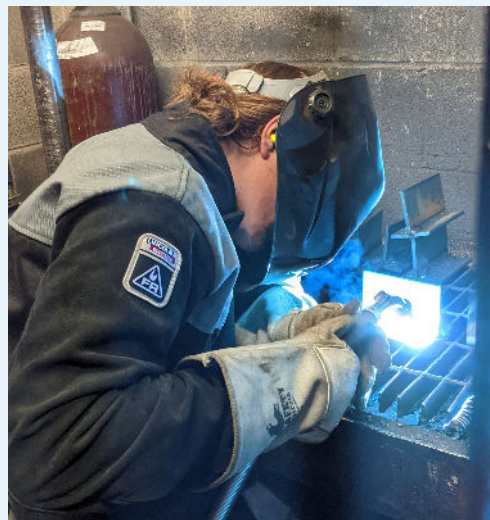
COHORT 22



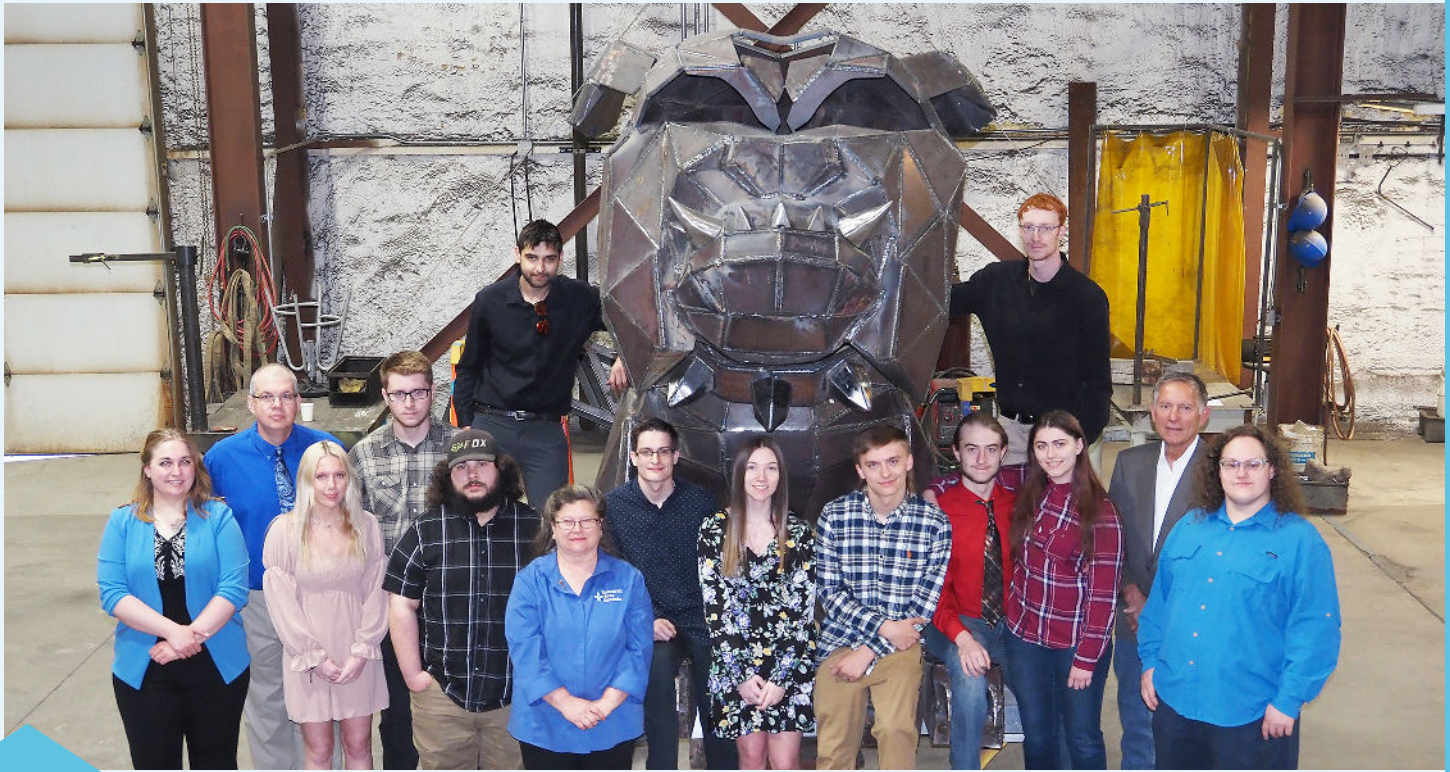
Draven Karbowski is attending Industrial Arts Institute from Mio, Michigan. He graduated from Mio-AuSable High School where he participated in the welding CTE program offered.

## WHY WELDING

My interest in welding sparked at a young age watching my grandpa build projects he designed in his shop. My first time welding was with my grandpa, he helped me make a small train for the county fair's welded art contest. The train I made received 1st place! That is what led to my pursuit of an underwater welding career.



# 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

2014 - 2023  
318  
Alumni

97%  
Student  
Retention

92%  
Industry  
Placement

# WHERE DO INDUSTRIAL ARTS INSTITUTE STUDENTS COME FROM?



LEARN FAST. WORK SMART. MAKE MORE.