

## CONTACT

For more information about the Industrial Welding Program at Kellogg Community College, please contact:

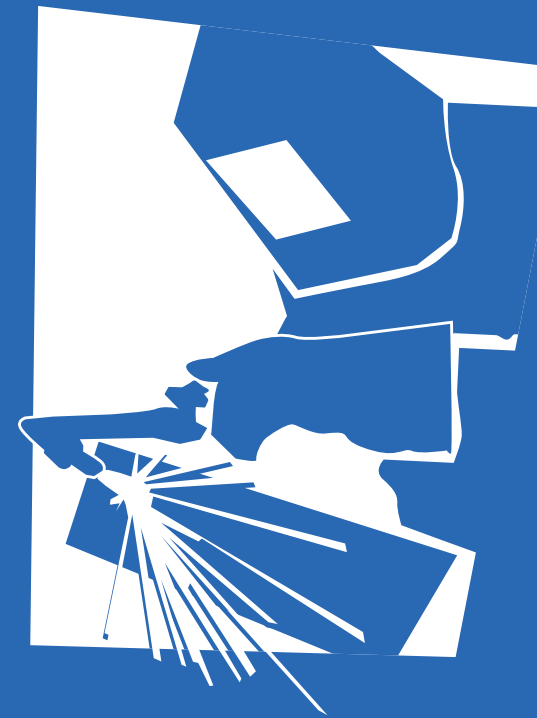
Doug Adams, Welding Program Instructor  
Kellogg Community College  
Regional Manufacturing Technology Center  
405 Hill Brady Road  
Battle Creek, MI 49037

PHONE 269.965.4137  
FAX 269.962.7370  
E-MAIL [adamsd@kellogg.edu](mailto:adamsd@kellogg.edu)  
WEB [www.kellogg.edu/rmtc](http://www.kellogg.edu/rmtc)

Kellogg Community College is an equal opportunity institution and does not discriminate on the basis of race, religion, color, national origin, gender, marital status, sexual orientation, age, or disability in its programs, services or activities. Direct inquiries regarding the nondiscrimination policies can be made to either the Vice President for Instruction or the Director of Human Resources, 450 North Avenue, Battle Creek, MI 49017-3397.



# Industrial Welding



inspiring generations

## Regional Manufacturing Technology Center

# Industrial Welding Program

Welding is the most common way of permanently joining metal parts. Through welding, heat is applied to metal pieces, melting and fusing them to form a permanent bond. There are a variety of welding processes including stick, MIG and TIG. The Industrial Welding Program at Kellogg Community College prepares students to weld a variety of metals in various positions using each of these processes.

## EMPLOYMENT OPPORTUNITIES

Welders work in a variety of industries including construction, transportation, manufacturing, aerospace, ship building, maintenance and repair services, and in the mining or oil and gas extraction industry. There is also an increase in robotic and laser welding, which has led to an increase in robotic welding programmers, welding technicians, and welding inspectors.

**Job growth rate from 2006-2016** 6%

**Median Annual Earnings** \$33,560

Source: United States Bureau of Labor Statistics [www.bls.gov](http://www.bls.gov)

Career opportunities include:

- Welders, Cutters, Solderers, and Brazers
- Welding, Soldering, Brazing Machine Setters, Operators, Tenders
- Welding Technician
- Welding Inspector
- Robotic Welding Programmer

With further education, opportunities include:

- Production Supervisor
- Maintenance Supervisor
- Welding Engineer
- Manufacturing/Process Engineer

## PROGRAM OPTIONS

Kellogg Community College offers three program options:

- Industrial Trades Certificate in Welding (25 credits)
- Industrial Welding Associate in Applied Science (62 credits)
- Skilled Trades Associate in Applied Science for Journeyman or USDOL Apprenticeship card holders (approximately 35 credits)

## RECOMMENDED TECHNICAL ELECTIVES

Robotics and Pipefitting

## COURSE WORK

The course work within the Industrial Welding Program provides hands-on learning opportunities using real-world equipment. Courses are modular. Modules are pass/fail, which means a student can continue to work on a module until they pass the module. Students receive one-on-one instruction from a journeyman instructor.

Topics covered in Industrial Welding modules include:

- Oxyacetylene Welding
- Cutting Processes
- Brazing and Soldering
- Shielded Metal Arc Welding
- Advanced Arc Welding
- Welding Metallurgy
- Gas Metal Arc Welding
- Gas Tungsten Arc Welding
- Pipe Welding
- Special Applications/Fabrication