

Potential Careers

- Engineering
- Pipe Fitting
- Boilermaker
- Fabricator
- Welder

Articulated Credits

Complete the 2 year program and earn articulated college credit that you can use to further your certification or earn a degree.

Dual Enrollment

By taking just 2 Jackson College Courses while enrolled in the Welding program, you will earn a Welding- Advanced Manufacturing Certificate.

Industry Certification

**AWS SENSE
Certification: Level
1 and Level 2**

Hillsdale

Area

Career

Center

Welding, Brazing, Soldering

“This class, by far, has taught me so many valuable life skills. Not only am I welding, I am learning about life”

~ Gabby Richards
Welding student
Pittsford



Hot 50 Jobs List!

When it comes to job prospects for the near future, it's simple: America needs welders. Employers in manufacturing and fabrication of many different varieties are looking for ambitious, knowledgeable welders, so if you enjoy making things, working with your hands, working with machines and taking pride in your work, consider this high-demand class the first spark in your future!

Overview

Students will learn the art and technology of joining metals together with heat, using special equipment to perform different welding processes such as oxy-fuel cutting and brazing, gas metal arc and shielded metal arc welding. They will also learn to accurately fabricate a project, work from blueprints, repair broken parts, and problem-solve a welding dilemma and use math and measurement skills to set up and lay out the parts used for the welding project. This is a welding course that applies many of the major processes used in industry. You will learn about safety, daily! You will get dirty! Want industry experience before you graduate from high school, year two allows for internships with local industry. Perfect if you want a job immediately or for those that plan on pursuing post-secondary education.

Details

Primary Units of Instruction:

- Basic Shop Safety
Oxy Acetylene
- Gas Metal Arc
Welding
- Shielded Metal Arc
Welding
- Gas Tungsten Arc
Welding
- Blueprint Reading
Weld Symbols
- CAD Drawing
- Robotic Welding



CTE Works!

What success looks like!

Is This Program for Me?

It is if you.....

- Like hands on learning.
- Don't mind getting dirty.
- Want to enter a growing field.
- Like to fix and make things.
- Want to gain leadership skills.
- Want a job you can do anywhere.



What I plan to do after this:

I will be attending Hobart Institute of Welding Technology to further my education in structural and pipe welding. I then plan to move south and get a pipeline welding job.

Why Hillsdale Area Career Center is great!

I was never really a college bound kid. I was always hands on when it came to learning. Being at the Tech Center for welding is all hands on, it's more set up like a job than a class.

Advice for others:

In welding it will get tough and you will feel like you can't do it anymore, but you have to just push through all of that because it is really worth it in the end.

Internships

Second year students that have successfully completed all segments and have received credentials are eligible to work with business and industry partners in the field. This is a great opportunity for students to see Welding in action!

What special gear do I need for this class?

Proper clothing is required: Blue jeans and leather boots. All other safety equipment is provided: glasses, jacket, gloves and helmet.



HACC participates in the Shop Rats Foundation



Take a look at 6 of the highest paying welding jobs.

Industrial Pipeline Welders – \$36,414 – \$106,348.

Underwater Welders – \$54,750 – \$30,000.

Military Support Welders – up to \$160,000.

Nuclear Industry Welders – Varies.

Aerospace Welders – \$29,540 – \$60,000.

Certified Welding Inspector – \$70,000+



Meet your Instructor:

Mr. McKelvey

2020 Teacher of the Year, Runner-Up!

“Don't be afraid of the future, Build it!”