

# START YOUR CAREER JOURNEY TODAY!



## How do I register?

You have the option of registering online, e-mailing or faxing your application, or coming into one of our offices directly.

### Industrial Customers

If a company is sponsoring your welding education, you may register directly with us via our website. Classes are only available directly to industrial customers. We accept corporate credit card, check or PO with approved credit. Standard classes require payment in full by first night of class.

### Individuals

If you are an individual paying for your own classes, you may register for classes through one of our college partners.

- Anne Arundel Community College
- Community College of Baltimore County
- College of Southern Maryland
- For PA Classes- Johnson College

## How much does it cost?

- **Welding Basics** \$192
- **Fundamentals of Welding** \$1,870
- **Intermediate Stick/TIG/MIG** \$2,750
- **Specialized MIG FCAW,**
- **Aluminum, Stainless Steel** \$1,717
- **Advanced Stick/TIG/MIG** \$2,750
- **Fundamentals with Stick/MIG/or TIG Intermediate (Package)\*** \$4,251

\*Registration must be completed at the same time to receive the discounted rate.

## Scholarships and Grants

We maintain a frequently updated list of scholarships and grant opportunities on our website at [earlbeck.com/student-loans-financial-aid](http://earlbeck.com/student-loans-financial-aid)



One of the greatest career advantages of welding is that it does not require a college degree. You can complete your training much quicker than traditional higher education, as well as cut down on tuition costs!

Many different industries employ welders so there are a huge variety of jobs available. Skilled welders will have a unique opportunity to have a career that can be shaped around their interests because of the high demand for skilled workers. The options are endless, but here's some inspiration for who you could become with the right training!

## We can help you get ready to enter the job market!

### STICK

Structural & Ship Building  
Petroleum Pipeline Industry  
Steel Erection  
Construction  
Nuclear  
Maintenance/Field Repair



### MIG

Automotive  
Manufacturing  
Shop Fabrication  
Agriculture  
Pipe Welding  
Heavy Construction



### TIG

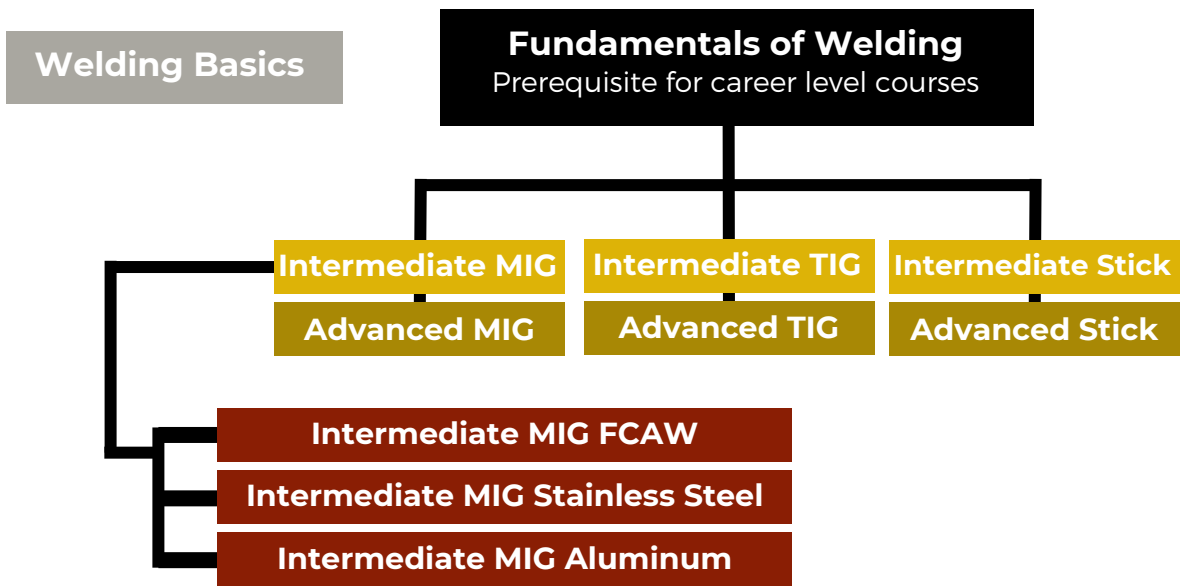
Structural  
Pipe Welding  
Aerospace  
Automotive  
Art and Sculpture  
Food Manufacturing



# COURSE BREAKDOWN



The path to a welding career starts with the Fundamentals of Welding class, where you will learn the basics of the major welding processes. After fundamentals, you may choose an intermediate class in either Stick, TIG, or MIG. Each of these classes works toward plate certification to a common welding code. Upon completion of an intermediate class, you may choose to proceed to pipe welding with the advanced class in the same welding process.



## What is the right course choice for me?

No certifications earned, this is a course for the home hobbyist

### Welding Basics

Do you have a nagging home project that would be easily fixed with a weld? Or maybe you work with welders and want to understand more about what they do? This class is designed for you! This course will provide the basic knowledge and skills to MIG and Stick welding and cannot be substituted for Fundamentals of Welding

4 HRS

Certificate of completion and ability to move on to intermediate classes

### Fundamentals of Welding

This course is designed to provide necessary knowledge and skills for an entry-level welder. Oxy-Fuel, TIG, MIG, and Stick processes are taught with 40% theory and 60% hands on practice. It is a prerequisite prior to taking Intermediate level courses.

36 HRS

42 HRS	<p><b>Intermediate Stick</b></p> <p>AWS D1.1 Stick Certification</p> <p>Advance your skills in the Shielded Metal Arc process. Emphasis will be placed on the ability to prepare material and perform welding of fillet and groove welds in carbon steel using E6010 and E7018 electrodes in all positions. Practice is geared towards Structural Welding Code vertical and overhead tests.</p>	54 HRS
	<p><b>Intermediate TIG</b></p> <p>AWS D17.1 TIG Certification</p> <p>Advance your skills in the Gas Tungsten Arc process. Emphasis will be placed on the ability to prepare material and perform welding of flat, horizontal and vertical fillet welds and flat groove welds in carbon steel, stainless steel and aluminum. Practice is geared towards AWS D17.1 Fusion Welding for Aerospace Application.</p>	
48 HRS	<p><b>Intermediate MIG</b></p> <p>AWS D9.1 MIG &amp; AWS D1.1 MIG Certification</p> <p>Advance your skills in the Gas Metal Arc process. Emphasis will be placed on the ability to prepare material and perform welding of fillet and groove welds in carbon steel in all positions. Practice is geared towards Structural Welding Code vertical and overhead tests.</p>	48 HRS
	<p><b>Advanced Stick</b></p> <p>ASME Stick Certification</p> <p>Learn the techniques required of a certified pipe welder. Proper tacks and feather edging, filler metal angles and manipulations for open root pipe welding are taught. Emphasis will be placed on E6010 root and hot pass with E7018 low hydrogen fill and cap. Practice is geared toward certification to ASME IX, Boiler &amp; Pressure Vessel Code in the 6G position on carbon steel.</p>	
42 HRS	<p><b>Advanced TIG</b></p> <p>ASME TIG Certification</p> <p>Learn the techniques required of a certified pipe welder. Class will consist of welding on carbon steel pipe with the GTAW process. Training will be with ER70S carbon steel solid wire with upward progression. Practice is geared toward certification to ASME IX, Boiler &amp; Pressure Vessel Code in the 6G position on carbon steel.</p>	48 HRS
	<p><b>Advanced MIG</b></p> <p>ASME MIG Certification</p> <p>Learn the techniques required of a certified pipe welder. Class will consist of welding on carbon steel pipe with the GMAW-SC and FCAW processes. Training will be with ER70S solid wire short circuit transfer GMAW down bead root with E71T-1 flux cored wire hot and fill passes, upward progression. Practice is geared toward certification to ASME IX, Boiler &amp; Pressure Vessel Code in the 6G position on carbon steel.</p>	
	<p><b>Intermediate MIG- FCAW</b></p> <p>AWS D1.1 FCAW Certification</p> <p>Advance your skills in the FCAW Self Shielded process. Emphasis will be placed on the student's ability to prepare material and perform welding of fillet and groove welds on Structural Steel in all positions.</p>	
	<p><b>Intermediate MIG- Stainless Steel</b></p> <p>AWS D1.6 MIG Certification</p> <p>specifically for welding Stainless Steel. Emphasis will be placed on the student's ability to prepare material and perform welding of fillet and groove welds on Structural Stainless Steel in all positions. Practice is geared towards AWS D1.6, Structural Welding Code Stainless Steel.</p>	
	<p><b>Intermediate MIG- Aluminum</b></p> <p>AWS D1.2 MIG Certification</p> <p>Advance your skills in the Gas Metal Arc process, specifically for welding Aluminum. Emphasis will be placed on the student's ability to prepare material and perform welding of fillet and groove welds on Aircraft Quality Aluminum in all positions.</p>	