

FOW FUNDAMENTALS OF WELDING \$ 1,290.00

Learn oxy-fuel, gas tungsten arc, gas metal arc and shielded metal arc processes through lecture and hands-on practice. Discuss basic metallurgy, welding codes, distortion control and welding symbols. Must be 18 or older with good reading and writing skills. CEUs and an Earlbeck Certification of Completion awarded.

Days	January 11 - January 22	MWF	8:00 AM - 3:00 PM	6 Sessions
Evenings	January 11 - February 17	MW	5:30 PM - 8:30 PM	12 Sessions
Evenings	January 12 - February 18	Tu/Th	5:30 PM - 8:30 PM	12 Sessions
Saturdays	January 23 - February 27	Sat	7:00 AM - 1:00 PM	6 Sessions
Days	February 22 - March 5	MWF	8:00 AM - 3:00 PM	6 Sessions
Days	April 12 - April 23	MWF	8:00 AM - 3:00 PM	6 Sessions
Evenings	May 4 - June 10	Tu/Th	5:30 PM - 8:30 PM	12 Sessions
Days	May 31 - June 11	MWF	8:00 AM - 3:00 PM	6 Sessions
Days	July 19 - July 30	MWF	8:00 AM - 3:00 PM	6 Sessions
Evenings	August 25 - October 13	MW	5:30 PM - 8:30 PM	12 Sessions
Evenings	August 31 - October 14	Tu/Th	5:30 PM - 8:30 PM	12 Sessions
Saturdays	September 4 - October 9	Sat	7:00 AM - 1:00 PM	6 Sessions
Days	September 13 - September 24	MWF	8:00 AM - 3:00 PM	6 Sessions
Days	November 1 - November 12	MWF	8:00 AM - 3:00 PM	6 Sessions

INT SMAW INTERMEDIATE SHIELDED METAL ARC WELDING \$ 1,940.00

This course provides instruction on shielded metal arc (SMAW) welding processes. Prepare material and perform fillet and groove welds in carbon steel using E7018 electrodes in all positions. Geared toward structural welding code vertical and overhead tests. Passing the certification tests provides an all-position limited thickness AWS D1.1 welder certification. Must be 18 or older with good reading and writing skills. CEUs and an Earlbeck Certificate of Completion awarded.

Days	January 26 - February 13	MWF	8:00 AM - 3:00 PM	9 Sessions
Evenings	February 22 - April 21	MW	5:30 PM - 8:30 PM	18 Sessions
Evenings	February 23 - April 22	Tu/Th	5:30 PM - 8:30 PM	18 Sessions
Saturdays	March 6 - May 1	Sat	7:00 AM - 1:00 PM	9 Sessions
Days	March 8 - March 26	MWF	8:00 AM - 3:00 PM	9 Sessions
Days	April 26 - May 14	MWF	8:00 AM - 3:00 PM	9 Sessions
Days	June 14 - July 2	MWF	8:00 AM - 3:00 PM	9 Sessions
Evenings	June 15 - August 12	Tu/Th	5:30 PM - 8:30 PM	18 Sessions
Days	August 2 - August 20	MWF	8:00 AM - 3:00 PM	9 Sessions
Days	September 27 - October 15	MWF	8:00 AM - 3:00 PM	9 Sessions
Evenings	October 11 - December 15	MW	5:30 PM - 8:30 PM	18 Sessions
Evenings	October 12 - December 16	Tu/Th	5:30 PM - 8:30 PM	18 Sessions
Saturdays	October 16 - December 18	Sat	7:00 AM - 1:00 PM	9 Sessions
Days	November 15 - December 10	MWF	8:00 AM - 3:00 PM	9 Sessions

INT GMAW INTERMEDIATE GAS METAL ARC WELDING \$ 1,940.00

This course provides instruction on gas metal arc (GMAW) welding processes. Gain skills in the gas metal arc process. Prepare material and perform fillet and groove welds in carbon steel in all positions. Practice geared toward structural welding code vertical and overhead tests. Passing the certification tests provides an all-position limited thickness AWS D1.1 welder certification. Must be 18 or older with good reading and writing skills. CEUs and an Earlbeck Certificate of Completion awarded.

Days	January 29 - February 12	MWF	8:00 AM - 3:00 PM	7 Sessions
Evenings	March 8 - April 21	MW	5:30 PM - 8:30 PM	14 Sessions
Evenings	March 9 - April 22	Tu/Th	5:30 PM - 8:30 PM	14 Sessions
Days	March 12 - March 26	MWF	8:00 AM - 3:00 PM	7 Sessions
Saturdays	March 20 - May 1	Sat	7:00 AM - 1:00 PM	7 Sessions
Days	April 30 - May 14	MWF	8:00 AM - 3:00 PM	7 Sessions
Days	June 18 - July 2	MWF	8:00 AM - 3:00 PM	7 Sessions
Evenings	June 29 - August 12	Tu/Th	5:30 PM - 8:30 PM	14 Sessions
Days	August 6 - August 20	MWF	8:00 AM - 3:00 PM	7 Sessions
Days	October 1 - October 15	MWF	8:00 AM - 3:00 PM	7 Sessions
Evenings	October 25 - December 15	MW	5:30 PM - 8:30 PM	14 Sessions
Evenings	October 26 - December 16	Tu/Th	5:30 PM - 8:30 PM	14 Sessions
Saturdays	October 30 - December 18	Sat	7:00 AM - 1:00 PM	7 Sessions
Days	November 19 - December 10	MWF	8:00 AM - 3:00 PM	7 Sessions

INT GTAW INTERMEDIATE GAS TUNGSTEN ARC WELDING \$ 1,940.00

This course provides instruction on gas tungsten arc (TIG) welding processes. Gain skills in the gas tungsten arc process. Prepare material and perform flat, horizontal and vertical fillet welds and flat groove welds in carbon steel, stainless steel and aluminum. Geared toward AWS D17.1 aerospace code for carbon steel, stainless steel and aluminum certification. CEUs and an Earlbeck Certificate of Completion awarded.

Days	January 27 - February 12	MWF	8:00 AM - 3:00 PM	8 Sessions
Evenings	March 1 - April 21	MW	5:30 PM - 8:30 PM	16 Sessions
Evenings	March 2 - April 22	Tu/Th	5:30 PM - 8:30 PM	16 Sessions
Days	March 10 - March 26	MWF	8:00 AM - 3:00 PM	8 Sessions
Saturdays	March 13 - May 1	Sat	7:00 AM - 1:00 PM	8 Sessions
Days	April 28 - May 14	MWF	8:00 AM - 3:00 PM	8 Sessions
Days	June 16 - July 2	MWF	8:00 AM - 3:00 PM	8 Sessions
Evenings	June 22 - August 12	Tu/Th	5:30 PM - 8:30 PM	16 Sessions
Days	August 4 - August 20	MWF	8:00 AM - 3:00 PM	8 Sessions
Days	September 29 - October 15	MWF	8:00 AM - 3:00 PM	8 Sessions
Evenings	October 18 - December 15	MW	5:30 PM - 8:30 PM	16 Sessions
Evenings	October 19 - December 16	Tu/Th	5:30 PM - 8:30 PM	16 Sessions
Saturdays	October 23 - December 18	Sat	7:00 AM - 1:00 PM	8 Sessions
Days	November 17 - December 10	MWF	8:00 AM - 3:00 PM	8 Sessions

<i>ADVANCED CLASSES - PIPE WELDING</i>				
ADV SMAW	ADVANCED SHIELDED METAL ARC WELDING			
ADV GTAW	ADVANCED GAS TUNGSTEN ARC WELDING			\$ 1,940.00
ADV GMAW	ADVANCED GAS METAL ARC WELDING			
<p>Learn techniques required of a qualified pipe welder: proper tacks and feather edging, filler metal angles, manipulations for open root pipe welding, Qualify to the ASME IX, Boiler and Pressure Vessel Code in the 6G positions on carbon steel. Stick classes concentrate on E6010 root with E7018 balance. MIG classes concentrate on solid wire short circuit root with flux core balance. TIG class concentrates on open root with both free hand and "walk the cup" welding. Successfully complete the course to earn an Earlbeck Certificate of Completion. Students who pass the certification test are eligible for an all position ASME welder qualification. CEU's awarded.</p>				
Days	January 25 - February 10	MWF	8:00 AM - 3:00 PM	8 Sessions
Evenings	February 22 - April 14	MW	5:30 PM - 8:30 PM	16 Sessions
Evenings	February 23 - April 15	Tu/Th	5:30 PM - 8:30 PM	16 Sessions
Saturdays	March 6 - April 24	Sat	7:00 AM - 1:00 PM	8 Sessions
Days	March 8 - March 24	MWF	8:00 AM - 3:00 PM	8 Sessions
Days	April 26 - May 12	MWF	8:00 AM - 3:00 PM	8 Sessions
Days	June 14 - June 30	MWF	8:00 AM - 3:00 PM	8 Sessions
Evenings	June 15 - August 12	Tu/Th	5:30 PM - 8:30 PM	16 Sessions
Days	August 2 - August 18	MWF	8:00 AM - 3:00 PM	8 Sessions
Days	September 27 - October 13	MWF	8:00 AM - 3:00 PM	8 Sessions
Evenings	October 11 - December 8	MW	5:30 PM - 8:30 PM	16 Sessions
Evenings	October 12 - December 9	Tu/Th	5:30 PM - 8:30 PM	16 Sessions
Saturdays	October 16 - December 11	Sat	7:00 AM - 1:00 PM	8 Sessions
Days	November 15 - December 8	MWF	8:00 AM - 3:00 PM	8 Sessions
SIGN UP FOR FUNDAMENTALS AND ANY INTERMEDIATE CLASS IN THE SAME SESSION AND RECEIVE A 8% DISCOUNT				
OPEN HOUSE AT EARLBECK TECHNICAL CENTER				
SATURDAYS 9AM - NOON ON MARCH 27-JULY 10-OCTOBER 16				