

MODULES OFFERED IN HASTINGS, MI
KELLOGG COMMUNITY COLLEGE
INDUSTRIAL WELDING
COURSE OPTIONS

Certificate: 25 credits

Associate in Applied Science: 60 credits (combination of industrial welding, technical electives, and general education credit requirements)

All costs are subject to change without notice. Please call 269-965-4137 to verify.

Module Subject Code and Number	Module Title	Credit	Contact Hours
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SECTION NUMBERS

MONDAY/WEDNESDAY EVENINGS: 8232

TUESDAY/THURSDAY EVENINGS: 8230

SEE LAB SCHEDULE FOR MORE INFORMATION

<input type="checkbox"/>	INWE C910	WELDING ORIENTATION		2
		The orientation must be completed at the RMTC in Battle Creek prior to registration. Please call 269.965.4137 to verify available orientation times.		

UNIT 05 BASICS OF WELDING

<input type="checkbox"/>	INWE 05010	WELDING SHOP SAFETY RULES	0.17	4
<input type="checkbox"/>	INWE 05020	JOINTS WELDS POSITIONS	0.13	3
<input type="checkbox"/>	INWE 05030	RULES AND SQUARES	0.13	3
UNIT TOTAL			0.43	10

UNIT 10 OXYACETYLENE WELDING

<input type="checkbox"/>	INWE 10010	OXY-FUEL WELDING TERMS	0.17	4
<input type="checkbox"/>	INWE 10020	SET UP OXY-FUEL WELD STAT	0.08	2
<input type="checkbox"/>	INWE 10030	RUN BEADS W/WO FILL	0.29	7
<input type="checkbox"/>	INWE 10040	WELD JOINTS FLAT POSITION	1.00	24
UNIT TOTAL			1.54	37

UNIT 15 CUTTING PROCESSES

<input type="checkbox"/>	INWE 15010	BASIC CUTTING PRACTICES	0.13	3
<input type="checkbox"/>	INWE 15020	CUT FERROUS MET W OXY FUEL	0.33	8
<input type="checkbox"/>	INWE 15030	CUTTING METALS W PLASMA	0.33	8
UNIT TOTAL			0.79	19

UNIT 20 BRAZING AND SOLDERING

<input type="checkbox"/>	INWE 20010	BRAZ JOINTS FLAT POSITION	0.33	8
<input type="checkbox"/>	INWE 20020	BRAZ V-GROOVE JOINTS	0.21	5
<input type="checkbox"/>	INWE 20030	SILVER BRAZ DISSIMILAR METALS	0.13	3
<input type="checkbox"/>	INWE 20040	LEAD SOLDERING SEAMS	0.25	6
UNIT TOTAL			0.92	22

UNIT 25 SHIELDED METAL ARC WELDING

<input type="checkbox"/>	INWE 25010	SMAW TERMS DEFINITIONS	0.17	4
<input type="checkbox"/>	INWE 25020	ELECTRODES FOR SMAW	0.21	5
<input type="checkbox"/>	INWE 25030	STRIKE ARC RUN BEADS	0.67	16
<input type="checkbox"/>	INWE 25040	ANALYZE WELD CHARACTERISTICS	0.13	3
<input type="checkbox"/>	INWE 25050	MULTIPASS FILLET WELDS	0.50	12
<input type="checkbox"/>	INWE 25060	WELD SIZE WEAVE TECHNIQUE	0.50	12
<input type="checkbox"/>	INWE 25070	CORNER JOINT FLAT POSITION	0.67	16
<input type="checkbox"/>	INWE 25080	V-GROOVE BUTT W BACKING	0.50	12

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<input type="checkbox"/> INWE 25090	V-GROOVE BUTT WO BACKING	0.67	16
UNIT TOTAL		4.02	96
UNIT 30 ADVANCED ARC WELDING			
<input type="checkbox"/> INWE 30010	TEE JOINTS VERTICAL UP	0.58	14
<input type="checkbox"/> INWE 30020	BUTT W BACK VERTICAL UP	0.46	11
<input type="checkbox"/> INWE 30030	BUTT WO BACK VERTICAL UP	0.75	18
<input type="checkbox"/> INWE 30040	TEE JOINTS VERTICAL DOWN	0.29	7
<input type="checkbox"/> INWE 30050	BUTT W BACK VERTICAL DOWN	0.42	10
<input type="checkbox"/> INWE 30060	BUT WO BACK VERTICAL DOWN	0.33	8
<input type="checkbox"/> INWE 30070	BUTT W BACK HORIZONTAL	0.50	12
<input type="checkbox"/> INWE 30080	BUTT WO BACK HORIZONTAL	0.50	12
<input type="checkbox"/> INWE 30090	TEE JOINTS OVERHEAD	0.50	12
<input type="checkbox"/> INWE 30100	BUTT W BACK OVERHEAD	0.58	14
<input type="checkbox"/> INWE 30110	BUTT WO BACK OVERHEAD	0.83	20
UNIT TOTAL		5.74	138
UNIT 35 WELDING METALLURGY			
<input type="checkbox"/> INWE 35010	INTRO TO METALLURGY	0.46	11
<input type="checkbox"/> INWE 35020	EXAMINE IDENTIFY METALS	0.13	3
<input type="checkbox"/> INWE 35030	METALLURGY FUND CAST IRON	0.13	3
<input type="checkbox"/> INWE 35040	METALLURGY FUND STAINLESS	0.13	3
<input type="checkbox"/> INWE 35050	TESTING METALS	0.42	10
UNIT TOTAL		1.27	30
UNIT 40 GAS METAL ARC WELDING			
<input type="checkbox"/> INWE 40010	EXPLAINING GMAW	0.29	7
<input type="checkbox"/> INWE 40020	START ARC RUN BEADS GMAW	0.17	4
<input type="checkbox"/> INWE 40030	GMAW FCAW WELD ALL POSITIONS	1.67	40
UNIT TOTAL		2.80	67
UNIT 45 GAS TUNGSTEN ARC WELDING			
<input type="checkbox"/> INWE 45010	EXPLAINING GTAW	0.42	10
<input type="checkbox"/> INWE 45020	START ARC RUN BEADS GTAW	0.42	10
<input type="checkbox"/> INWE 45030	GTAW ALUMINUM FLAT POSITION	1.25	30
<input type="checkbox"/> INWE 45040	BASIC JOINTS STAINLESS	1.25	30
<input type="checkbox"/> INWE 45050	GTAW ALUMINUM OUT POSITION	1.67	40
UNIT TOTAL		5.01	120
TOTAL		21.85	525

FOR OFFICE USE ONLY

Instructor Approval _____ Date _____

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Total Credit _____	Total Contact _____	Total Cost _____
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