

KELLOGG COMMUNITY COLLEGE
INDUSTRIAL WELDING
COURSE OPTIONS

FALL 2023

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	Lab Fees	Tuition	Total Cost
<input type="checkbox"/> INWE C910-8230	WELDING ORIENTATION The orientation must be completed at the RMTC in Battle Creek prior to registration. Please call 269.965.4137 to verify available orientation times.		2	0.00	0.00	0.00
UNIT 05 BASICS OF WELDING						
<input type="checkbox"/> INWE 05010-8230	WELDING SHOP SAFETY RULES	0.17	4	4.00	45.82	49.82
<input type="checkbox"/> INWE 05020-8230	JOINTS WELDS POSITIONS	0.13	3	9.00	35.04	44.04
<input type="checkbox"/> INWE 05030-8230	RULES AND SQUARES	0.13	3	9.00	35.04	44.04
UNIT TOTAL		0.43	10	22.00	115.90	137.90
UNIT 10 OXYACETYLENE WELDING						
<input type="checkbox"/> INWE 10010-8230	OXY-FUEL WELDING TERMS	0.17	4	9.00	45.82	54.82
<input type="checkbox"/> INWE 10020-8230	SET UP OXY-FUEL WELD STAT	0.08	2	9.00	21.56	30.56
<input type="checkbox"/> INWE 10030-8230	RUN BEADS W/WO FILL	0.29	7	28.00	78.16	106.16
<input type="checkbox"/> INWE 10040-8230	WELD JOINTS FLAT POSITION	1.00	24	45.00	269.50	314.50
UNIT TOTAL		1.54	37	91.00	415.04	506.04
UNIT 15 CUTTING PROCESSES						
<input type="checkbox"/> INWE 15010-8230	BASIC CUTTING PRACTICES	0.13	3	9.00	35.04	44.04
<input type="checkbox"/> INWE 15020-8230	CUT FERROUS MET W OXY FUEL	0.33	8	31.00	88.94	119.94
<input type="checkbox"/> INWE 15030-8230	CUTTING METALS W PLASMA	0.33	8	33.00	88.94	121.94
UNIT TOTAL		0.79	19	73.00	212.92	285.92
UNIT 20 BRAZING AND SOLDERING						
<input type="checkbox"/> INWE 20010-8230	BRAZ JOINTS FLAT POSITION	0.33	8	41.00	88.94	129.94
<input type="checkbox"/> INWE 20020-8230	BRAZ V-GROOVE JOINTS	0.21	5	34.00	56.60	90.60
<input type="checkbox"/> INWE 20030-8230	SILVER BRAZ DISSIMILAR METALS	0.13	3	35.00	35.04	70.04
<input type="checkbox"/> INWE 20040-8230	LEAD SOLDERING SEAMS	0.25	6	35.00	67.38	102.38
UNIT TOTAL		0.92	22	145.00	247.96	392.96
UNIT 25 SHIELDED METAL ARC WELDING						
<input type="checkbox"/> INWE 25010-8230	SMAW TERMS DEFINITIONS	0.17	4	9.00	45.82	54.82
<input type="checkbox"/> INWE 25020-8230	ELECTRODES FOR SMAW	0.21	5	14.00	56.60	70.60
<input type="checkbox"/> INWE 25030-8230	STRIKE ARC RUN BEADS	0.67	16	45.00	180.57	225.57
<input type="checkbox"/> INWE 25040-8230	ANALYZE WELD CHARACTERISTICS	0.13	3	9.00	35.04	44.04
<input type="checkbox"/> INWE 25050-8230	MULTIPASS FILLET WELDS	0.50	12	45.00	134.75	179.75
<input type="checkbox"/> INWE 25060-8230	WELD SIZE WEAVE TECHNIQUE	0.50	12	29.00	134.75	163.75
<input type="checkbox"/> INWE 25070-8230	CORNER JOINT FLAT POSITION	0.67	16	29.00	180.57	209.57
<input type="checkbox"/> INWE 25080-8230	V-GROOVE BUTT W BACKING	0.50	12	64.00	134.75	198.75
<input type="checkbox"/> INWE 25090-8230	V-GROOVE BUTT WO BACKING	0.67	16	63.00	180.57	243.57
UNIT TOTAL		4.02	96	307.00	1,083.42	1,390.42
UNIT 30 ADVANCED ARC WELDING						
<input type="checkbox"/> INWE 30010-8230	TEE JOINTS VERTICAL UP	0.58	14	45.00	156.31	201.31
<input type="checkbox"/> INWE 30020-8230	BUTT W BACK VERTICAL UP	0.46	11	64.00	123.97	187.97
<input type="checkbox"/> INWE 30030-8230	BUTT WO BACK VERTICAL UP	0.75	18	63.00	202.13	265.13
<input type="checkbox"/> INWE 30040-8230	TEE JOINTS VERTICAL DOWN	0.29	7	29.00	78.16	107.16
<input type="checkbox"/> INWE 30050-8230	BUTT W BACK VERTICAL DOWN	0.42	10	64.00	113.19	177.19
<input type="checkbox"/> INWE 30060-8230	BUT WO BACK VERTICAL DOWN	0.33	8	63.00	88.94	151.94

KELLOGG COMMUNITY COLLEGE
INDUSTRIAL WELDING
COURSE OPTIONS

FALL 2023

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	Lab Fees	Tuition	Total Cost
UNIT 30 ADVANCED ARC WELDING (CONTINUED)						
<input type="checkbox"/> INWE 30070-8230	BUTT W BACK HORIZONTAL	0.50	12	64.00	134.75	198.75
<input type="checkbox"/> INWE 30080-8230	BUTT WO BACK HORIZONTAL	0.50	12	63.00	134.75	197.75
<input type="checkbox"/> INWE 30090-8230	TEE JOINTS OVERHEAD	0.50	12	29.00	134.75	163.75
<input type="checkbox"/> INWE 30100-8230	BUTT W BACK OVERHEAD	0.58	14	64.00	156.31	220.31
<input type="checkbox"/> INWE 30110-8230	BUTT WO BACK OVERHEAD	0.83	20	63.00	223.69	286.69
UNIT TOTAL		5.74	138	611.00	1,546.95	2,157.95
UNIT 35 WELDING METALLURGY						
<input type="checkbox"/> INWE 35010-8230	INTRO TO METALLURGY	0.46	11	9.00	123.97	132.97
<input type="checkbox"/> INWE 35020-8230	EXAMINE IDENTIFY METALS	0.13	3	14.00	35.04	49.04
<input type="checkbox"/> INWE 35030-8230	METALLURGY FUND CAST IRON	0.13	3	9.00	35.04	44.04
<input type="checkbox"/> INWE 35040-8230	METALLURGY FUND STAINLESS	0.13	3	9.00	35.04	44.04
<input type="checkbox"/> INWE 35050-8230	TESTING METALS	0.42	10	9.00	113.19	122.19
UNIT TOTAL		1.27	30	50.00	342.28	392.28
UNIT 40 GAS METAL ARC WELDING						
<input type="checkbox"/> INWE 40010-8230	EXPLAINING GMAW	0.29	7	34.00	78.16	112.16
<input type="checkbox"/> INWE 40020-8230	START ARC RUN BEADS GMAW	0.17	4	29.00	45.82	74.82
<input type="checkbox"/> INWE 40030-8230	GMAW FCAW WELD ALL POSITIONS	1.67	40	93.00	450.07	543.07
UNIT TOTAL		2.80	67	156.00	574.05	730.05
UNIT 45 GAS TUNGSTEN ARC WELDING						
<input type="checkbox"/> INWE 45010-8230	EXPLAINING GTAW	0.42	10	30.00	113.19	143.19
<input type="checkbox"/> INWE 45020-8230	START ARC RUN BEADS GTAW	0.42	10	29.00	113.19	142.19
<input type="checkbox"/> INWE 45030-8230	GTAW ALUMINUM FLAT POSITION	1.25	30	73.00	336.88	409.88
<input type="checkbox"/> INWE 45040-8230	BASIC JOINTS STAINLESS	1.25	30	57.00	336.88	393.88
<input type="checkbox"/> INWE 45050-8230	GTAW ALUMINUM OUT POSITION	1.67	40	83.00	450.07	533.07
UNIT TOTAL		5.01	120	272.00	1,350.21	1,622.21
TOTAL		21.85	525	1,727.00	5,888.73	7,615.73

FOR OFFICE USE ONLY

Instructor Approval _____ Date _____

Total Credit _____ Total Contact _____ Total Cost _____