

KELLOGG COMMUNITY COLLEGE

INDUSTRIAL WELDING

FALL 2019

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	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	WELDING SHOP SAFETY RULES	0.17	4	4.00	39.70	43.70
<input type="checkbox"/> INWE 05020	JOINTS WELDS POSITIONS	0.13	3	9.00	30.36	39.36
<input type="checkbox"/> INWE 05030	RULES AND SQUARES	0.13	3	9.00	30.36	39.36
UNIT TOTAL		0.43	10	22.00	100.42	122.42
UNIT 10 OXYACETYLENE WELDING						
<input type="checkbox"/> INWE 10010	OXY-FUEL WELDING TERMS	0.17	4	9.00	39.70	48.70
<input type="checkbox"/> INWE 10020	SET UP OXY-FUEL WELD STAT	0.08	2	9.00	18.68	27.68
<input type="checkbox"/> INWE 10030	RUN BEADS W/WO FILL	0.29	7	28.00	67.72	95.72
<input type="checkbox"/> INWE 10040	WELD JOINTS FLAT POSITION	1.00	24	45.00	233.50	278.50
UNIT TOTAL		1.54	37	91.00	359.60	450.60
UNIT 15 CUTTING PROCESSES						
<input type="checkbox"/> INWE 15010	BASIC CUTTING PRACTICES	0.13	3	9.00	30.36	39.36
<input type="checkbox"/> INWE 15020	CUT FERROUS MET W OXY FUEL	0.33	8	31.00	77.06	108.06
<input type="checkbox"/> INWE 15030	CUTTING METALS W PLASMA	0.33	8	33.00	77.06	110.06
UNIT TOTAL		0.79	19	73.00	184.48	257.48
UNIT 20 BRAZING AND SOLDERING						
<input type="checkbox"/> INWE 20010	BRAZ JOINTS FLAT POSITION	0.33	8	41.00	77.06	118.06
<input type="checkbox"/> INWE 20020	BRAZ V-GROOVE JOINTS	0.21	5	34.00	49.04	83.04
<input type="checkbox"/> INWE 20030	SILVER BRAZ DISSIMILAR METALS	0.13	3	35.00	30.36	65.36
<input type="checkbox"/> INWE 20040	LEAD SOLDERING SEAMS	0.25	6	35.00	58.38	93.38
UNIT TOTAL		0.92	22	145.00	214.84	359.84
UNIT 25 SHIELDED METAL ARC WELDING						
<input type="checkbox"/> INWE 25010	SMAW TERMS DEFINITIONS	0.17	4	9.00	39.70	48.70
<input type="checkbox"/> INWE 25020	ELECTRODES FOR SMAW	0.21	5	14.00	49.04	63.04
<input type="checkbox"/> INWE 25030	STRIKE ARC RUN BEADS	0.67	16	45.00	156.45	201.45
<input type="checkbox"/> INWE 25040	ANALYZE WELD CHARACTERISTICS	0.13	3	9.00	30.36	39.36
<input type="checkbox"/> INWE 25050	MULTIPASS FILLET WELDS	0.50	12	45.00	116.75	161.75
<input type="checkbox"/> INWE 25060	WELD SIZE WEAVE TECHNIQUE	0.50	12	29.00	116.75	145.75
<input type="checkbox"/> INWE 25070	CORNER JOINT FLAT POSITION	0.67	16	29.00	156.45	185.45
<input type="checkbox"/> INWE 25080	V-GROOVE BUTT W BACKING	0.50	12	64.00	116.75	180.75
<input type="checkbox"/> INWE 25090	V-GROOVE BUTT WO BACKING	0.67	16	63.00	156.45	219.45
UNIT TOTAL		4.02	96	307.00	938.70	1245.70
UNIT 30 ADVANCED ARC WELDING						
<input type="checkbox"/> INWE 30010	TEE JOINTS VERTICAL UP	0.58	14	45.00	135.43	180.43
<input type="checkbox"/> INWE 30020	BUTT W BACK VERTICAL UP	0.46	11	64.00	107.41	171.41
<input type="checkbox"/> INWE 30030	BUTT WO BACK VERTICAL UP	0.75	18	63.00	175.13	238.13
<input type="checkbox"/> INWE 30040	TEE JOINTS VERTICAL DOWN	0.29	7	29.00	67.72	96.72

continued

KELLOGG COMMUNITY COLLEGE

INDUSTRIAL WELDING

FALL 2019

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 30050	BUTT W BACK VERTICAL DOWN	0.42	10	64.00	98.07	162.07
<input type="checkbox"/> INWE 30060	BUT WO BACK VERTICAL DOWN	0.33	8	63.00	77.06	140.06
<input type="checkbox"/> INWE 30070	BUTT W BACK HORIZONTAL	0.50	12	64.00	116.75	180.75
<input type="checkbox"/> INWE 30080	BUTT WO BACK HORIZONTAL	0.50	12	63.00	116.75	179.75
<input type="checkbox"/> INWE 30090	TEE JOINTS OVERHEAD	0.50	12	29.00	116.75	145.75
<input type="checkbox"/> INWE 30100	BUTT W BACK OVERHEAD	0.58	14	64.00	135.43	199.43
<input type="checkbox"/> INWE 30110	BUTT WO BACK OVERHEAD	0.83	20	63.00	193.81	256.81
UNIT TOTAL		5.74	138	611.00	1340.31	1951.31
<input type="checkbox"/> *INWE C410	SMAW CERTIFICATION		6	200.00	0.00	200.00
UNIT 35 WELDING METALLURGY						
<input type="checkbox"/> INWE 35010	INTRO TO METALLURGY	0.46	11	9.00	107.41	116.41
<input type="checkbox"/> INWE 35020	EXAMINE IDENTIFY METALS	0.13	3	14.00	30.36	44.36
<input type="checkbox"/> INWE 35030	METALLURGY FUND CAST IRON	0.13	3	9.00	30.36	39.36
<input type="checkbox"/> INWE 35040	METALLURGY FUND STAINLESS	0.13	3	9.00	30.36	39.36
<input type="checkbox"/> INWE 35050	TESTING METALS	0.42	10	9.00	98.07	107.07
UNIT TOTAL		1.27	30	50.00	296.56	346.56
UNIT 40 GAS METAL ARC WELDING						
<input type="checkbox"/> INWE 40010	EXPLAINING GMAW	0.29	7	34.00	67.72	101.72
<input type="checkbox"/> INWE 40020	START ARC RUN BEADS GMAW	0.17	4	29.00	39.70	68.70
<input type="checkbox"/> INWE 40030	GMAW FCAW WELD ALL POSITIONS	1.67	40	93.00	389.95	482.95
<input type="checkbox"/> INWE 40040	GMAW OF ALUMINUM	0.67	16	73.00	156.45	229.45
UNIT TOTAL		2.80	67	229.00	653.82	882.82
<input type="checkbox"/> *INWE C420	GMAW CERTIFICATION		6	210.00	0.00	210.00
UNIT 45 GAS TUNGSTEN ARC WELDING						
<input type="checkbox"/> INWE 45010	EXPLAINING GTAW	0.42	10	30.00	98.07	128.07
<input type="checkbox"/> INWE 45020	START ARC RUN BEADS GTAW	0.42	10	29.00	98.07	127.07
<input type="checkbox"/> INWE 45030	GTAW ALUMINUM FLAT POSITION	1.25	30	73.00	291.88	364.88
<input type="checkbox"/> INWE 45040	BASIC JOINTS STAINLESS	1.25	30	57.00	291.88	348.88
<input type="checkbox"/> INWE 45050	GTAW ALUMINUM OUT POSITION	1.67	40	83.00	389.95	472.95
UNIT TOTAL		5.01	120	272.00	1169.85	1441.85
<input type="checkbox"/> *INWE C430	GTAW CERTIFICATION		8	195.00	0.00	195.00
UNIT 50 PIPE WELDING						
<input type="checkbox"/> INWE 50010	IDENTIFYING PIPE WELDING	0.21	5	14.00	49.04	63.04
<input type="checkbox"/> INWE 50020	2G FIXED POSITION	0.83	20	71.00	193.81	264.81
<input type="checkbox"/> INWE 50030	5G FIXED VERTICAL UP	1.25	30	66.00	291.88	357.88
<input type="checkbox"/> INWE 50040	5G FIXED VERTICAL DOWN	1.04	25	71.00	242.84	313.84
<input type="checkbox"/> INWE 50050	6G FIXED POSITION	1.04	25	73.00	242.84	315.84
UNIT TOTAL		4.37	105	295.00	1020.41	1315.41

continued

KELLOGG COMMUNITY COLLEGE

INDUSTRIAL WELDING

FALL 2019

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 C440	PIPE WELDING CERTIFICATION		12	345.00	0.00	345.00
UNIT 55 SPECIAL APPLICATIONS						
<input type="checkbox"/> INWE 55010	WELDING BLUEPRINT READING	0.17	4	9.00	39.70	48.70
<input type="checkbox"/> INWE 55020	FABRICATING A PROJECT	0.50	12	60.00	116.75	176.75
<input type="checkbox"/> INWE 55030	CAST IRON REPAIR	0.17	4	28.00	39.70	67.70
<input type="checkbox"/> INWE 55040	HARDSURFACING	0.17	4	28.00	39.70	67.70
<input type="checkbox"/> INWE 55050	TOOL AND DIE WELDING	0.67	16	53.00	156.45	209.45
UNIT TOTAL		1.68	40	178.00	392.30	570.30
PROGRAM TOTAL		28.57	718	3223.00	6,671.29	9,894.29

SPECIAL PROJECT MODULES

(These modules **cannot be articulated**. Students must have instructor approval to register.)

<input type="checkbox"/> *INWE C710	BASIC WELDING PROJECT		2	70.00	0.00	70.00
<input type="checkbox"/> *INWE C720	INTERMEDIATE WELDING PROJECT		4	140.00	0.00	140.00
<input type="checkbox"/> *INWE C730	ADVANCED WELDING PROJECT		6	210.00	0.00	210.00

*Module(s) cannot be paid for using certain types of financial aid. Please direct all inquiries to the staff at the RMTC registration desk.

FOR OFFICE USE ONLY

Instructor Approval _____ Date _____

Total Credit _____ Total Contact _____ Total Cost _____