

**KELLOGG COMMUNITY COLLEGE
REGIONAL MANUFACTURING TECHNOLOGY CENTER
INDUSTRIAL TRADES ONLINE MODULES**

FALL 2020

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

Please note: Modules listed below are available to complete online, either virtually via email or through Moodle in the Bruin Portal.

Module Subject Code and Number	Module Title	Credit	Contact Hours	Fees	Tuition	Total Cost
INDUSTRIAL ELECTRICITY/ELECTRONICS						
<input type="checkbox"/> INEL C910	ELECTRIC ELECTRONICS ORIENTAT		2	0.00	0.00	0.00
The orientation must be completed prior to registration.						
<input type="checkbox"/> INEL 05010-90	ELECTRICAL SAFETY	0.17	4	8.95	43.01	51.96
<input type="checkbox"/> INEL 10010-90	ELECTRICAL MATH 1	0.08	2	15.80	20.24	36.04
<input type="checkbox"/> INEL 10020-90	ELECTRICAL MATH 2	0.25	6	11.75	63.25	75.00
<input type="checkbox"/> INEL 10030-90	ELECTRICAL MATH 3	0.25	6	11.75	63.25	75.00
<input type="checkbox"/> INEL 15010-90	ELECTRICAL THEORY	0.25	6	31.75	63.25	95.00
<input type="checkbox"/> INEL 15020-90	STATIC ELECTRICITY	0.25	6	31.75	63.25	95.00
<input type="checkbox"/> INEL 15030-90	CALCULATORS AND ELECTRONICS	0.25	6	31.75	63.25	95.00
<input type="checkbox"/> INEL 15040-90	DEVICES AND SYMBOLS	0.25	6	31.75	63.25	95.00
<input type="checkbox"/> INEL 15050-90	MULTIMETER	0.33	8	34.55	83.49	118.04
<input type="checkbox"/> INEL 15060-90	OHM'S LAW	0.33	8	34.55	83.49	118.04
<input type="checkbox"/> INEL 15070-90	SERIES CIRCUITS	0.33	8	34.55	83.49	118.04
<input type="checkbox"/> INEL 15080-90	PARALLEL CIRCUITS	0.33	8	34.55	83.49	118.04
<input type="checkbox"/> INEL 15090-90	COMBINATION CIRCUITS	0.33	8	34.55	83.49	118.04
<input type="checkbox"/> INEL 15100-90	MAGNETISM	0.25	6	31.75	63.25	95.00
<input type="checkbox"/> INEL 15110-90	ALTERNATING CURRENT	0.25	6	31.75	63.25	95.00
<input type="checkbox"/> INEL 15120-90	OSCILLOSCOPE	0.33	8	34.55	83.49	118.04
<input type="checkbox"/> INEL 15130-90	INDUCTANCE	0.42	10	37.70	106.26	143.96
<input type="checkbox"/> INEL 15140-90	CAPACITANCE	0.42	10	37.70	106.26	143.96
<input type="checkbox"/> INEL 15150-90	RLC CIRCUITS	0.33	8	34.55	83.49	118.04
<input type="checkbox"/> INEL 15160-90	CONDUCTION	0.33	8	34.55	83.49	118.04
<input type="checkbox"/> INEL 15170-90	THEORY OVERVIEW	0.21	5	30.35	53.13	83.48
<input type="checkbox"/> INEL 35010-90	GENERAL WIRING FUNDAMENTALS	0.25	6	25.75	63.25	89.00
<input type="checkbox"/> INEL 35020-90	WIRE RACEWAY AND BOX SIZING	0.33	8	28.55	83.49	112.04
<input type="checkbox"/> INEL 35030-90	BRANCH CIRCUITS	0.33	8	28.55	83.49	112.04
<input type="checkbox"/> INEL 35040-90	SERVICE FEEDER CALCULATIONS	0.25	6	25.75	63.25	89.00
<input type="checkbox"/> INEL 35050-90	GROUNDING AND BONDING	0.33	8	28.55	83.49	112.04
<input type="checkbox"/> INEL 35060-90	OVERCURRENT PROTECTION	0.33	8	28.55	83.49	112.04
<input type="checkbox"/> INEL 35070-90	MOTOR CIRCUIT WIRING	0.25	6	25.75	63.25	89.00
<input type="checkbox"/> INEL 35080-90	TRANSFORMERS	0.25	6	25.75	63.25	89.00
<input type="checkbox"/> INEL 35090-90	GENERAL HAZARDOUS LOCATIONS	0.25	6	25.75	63.25	89.00
<input type="checkbox"/> INEL 35100-90	HEALTH CARE FACILITIES	0.25	6	25.75	63.25	89.00
<input type="checkbox"/> INEL 35110-90	EMERGENCY POWER SYSTEMS	0.33	8	28.55	83.49	112.04
<input type="checkbox"/> INEL 35120-90	INDUSTRIAL APPLICATIONS	0.33	8	28.55	83.49	112.04
<input type="checkbox"/> INEL 35130-90	SPECIAL APPLICATION WIRING	0.25	6	25.75	63.25	89.00
<input type="checkbox"/> INEL 35140-90	NEC REVIEW	0.17	4	22.95	43.01	65.96

INDUSTRIAL MACHINING TECHNOLOGY						
<input type="checkbox"/> INMT C910	MACHINING TECH ORIENTATION		2	0.00	0.00	0.00
The orientation must be completed prior to registration.						
<input type="checkbox"/> INMT 05010-90	MACHINERY'S HANDBOOK	0.17	4	23.95	43.01	66.96
<input type="checkbox"/> INMT 10010-90	MACHINE TOOL SAFETY	0.17	4	35.95	43.01	78.96
<input type="checkbox"/> INMT 30010-90	SHOP MATH SPEEDS AND FEEDS	0.21	5	42.35	53.13	95.48

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INDUSTRIAL MACHINING TECHNOLOGY (CONTINUED)						
<input type="checkbox"/>	INMT 45100-90	MATH FOR DIVIDING HEAD	0.17	4	16.95	43.01 59.96
INDUSTRIAL TECHNOLOGY						
<input type="checkbox"/>	INT C910	IND TECHNOLOGY ORIENTATION		2	0.00	0.00 0.00
The orientation must be completed prior to registration.						
<input type="checkbox"/>	INT 05010-90	PLANE GEOMETRY LINES ANGLES	0.58	14	26.30	146.74 173.04
<input type="checkbox"/>	INT 05020-90	PLANE GEOMETRY TRIANGLES	0.42	10	20.70	106.26 126.96
<input type="checkbox"/>	INT 05030-90	PLANE GEOMETRY CIRCLES	0.42	10	20.70	106.26 126.96
<input type="checkbox"/>	INT 05040-90	PLANE GEOMETRY CONSTRUCT REVIE	0.38	9	19.30	96.14 115.44
<input type="checkbox"/>	INT 05050-90	GEOMETRIC FIGURES AREAS	0.58	14	26.30	146.74 173.04
<input type="checkbox"/>	INT 05060-90	GEOMETRIC FIGURES VOLUMES	0.46	11	22.01	116.38 138.48
<input type="checkbox"/>	INT 05070-90	GEOMETRIC FIGURE AREAS VOLUMES	0.25	6	14.75	63.25 78.00
<input type="checkbox"/>	INT 05080-90	TRIG FUNCTIONS TRIANGLE CALC	0.58	14	26.30	146.74 173.04
<input type="checkbox"/>	INT 05090-90	TRIG MACHINE APPLICATIONS	0.42	10	20.70	106.26 126.96
<input type="checkbox"/>	INT 05100-90	SOLVING OBLIQUE TRIANGLES	0.50	12	23.50	126.50 150.00
<input type="checkbox"/>	INT 05110-90	TRIG ACHIEVEMENT REVIEW	0.33	8	17.55	83.49 101.04
<input type="checkbox"/>	INT 10060-90	STATICS AND DATA ACQUISITION	0.42	10	34.70	106.26 140.96
<input type="checkbox"/>	INT 10070-90	THERMODYN ENERGY HEAT TRANSFER	1.00	24	71.00	253.00 324.00
<input type="checkbox"/>	INT 15090-90	GEOMETRIC DIMENSION TOLERANCE	0.17	4	18.95	43.01 61.96
<input type="checkbox"/>	INT 20020-90	OVERVIEW OF STANDARDS DEVELOP	0.33	8	14.55	83.49 98.04
<input type="checkbox"/>	INT 20030-90	STANDARDS LEGAL ISSUES	0.13	3	7.55	32.89 40.44
<input type="checkbox"/>	INT 30020-90	OSHA 10	0.92	22	63.20	232.76 295.96
<input type="checkbox"/>	INT 30030-90	OSHA 30	1.79	43	258.65	452.87 711.52
<input type="checkbox"/>	INT 30050-90	ELECTROMECHANICAL DEVICE EQUIP	1.08	26	125.80	273.24 399.04
<input type="checkbox"/>	INT 30140-90	LUBRICANTS AND LUBRICATION	0.17	4	11.95	43.01 54.96
<input type="checkbox"/>	INT 30150-90	ADDITIVES LUB ACT BEARING LUB	0.08	2	5.80	20.24 26.04
<input type="checkbox"/>	INT 30160-90	OILS AND THEIR APPLICATIONS	0.08	2	5.80	20.24 26.04
<input type="checkbox"/>	INT 30170-90	GENERAL SPECIAL PURPOSE GREASE	0.17	4	8.95	43.01 51.96
<input type="checkbox"/>	INT 30190-90	LUBRICATING SYSTEMS METHODS	0.13	3	7.55	32.89 40.44
<input type="checkbox"/>	INT 30200-90	LUBRICANT STORAGE AND HANDLING	0.08	2	5.80	20.24 26.04
<input type="checkbox"/>	INT 45030-90	QUALITY SYSTEMS LEAN MFG	0.67	16	146.45	169.51 315.96
<input type="checkbox"/>	INT 45040-90	5S SYSTEM	0.33	8	84.55	83.49 168.04
<input type="checkbox"/>	INT 45050-90	TPM POKA YOKE AND LEAN THEORY	0.45	11	108.75	113.85 222.60
<input type="checkbox"/>	INT 45060-90	LEAN VISUAL WORKPLACE KAIZEN	0.29	7	53.15	73.37 126.52
<input type="checkbox"/>	INT 45070-90	VALUE STREAM MAPPING SETUP RED	0.38	9	86.30	96.14 182.44
<input type="checkbox"/>	INT 45080-90	METROLOGY	0.29	7	23.15	73.37 96.52
<input type="checkbox"/>	*INT C420-90	MSSC SAFETY ASSESSMENT		1	80.00	0.00 80.00
<input type="checkbox"/>	*INT C430-90	MSSC QUALITY ASSESSMENT		1	80.00	0.00 80.00
<input type="checkbox"/>	*INT C440-90	MSSC MFG PROCESSES ASSESSMENT		1	80.00	0.00 80.00
<input type="checkbox"/>	*INT C450-90	MSSC MAINTENANCE ASSESSMENT		1	80.00	0.00 80.00
INDUSTRIAL WELDING						
<input type="checkbox"/>	INWE C910	WELDING ORIENTATION		2	0.00	0.00 0.00
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INDUSTRIAL WELDING (CONTINUED)						
<input type="checkbox"/> INWE 05010-90	WELDING SHOP SAFETY RULES	0.17	4	9.95	43.01	52.96
<input type="checkbox"/> INWE 05020-90	JOINTS WELDS POSITIONS	0.13	3	13.55	32.89	46.44
<input type="checkbox"/> INWE 05030-90	RULES AND SQUARES	0.13	3	13.55	32.89	46.44
<input type="checkbox"/> INWE 10010-90	OXY-FUEL WELDING TERMS	0.17	4	14.95	43.01	57.96
<input type="checkbox"/> INWE 10020-90	SET UP OXY-FUEL WELD STAT	0.08	2	11.80	20.24	32.04
<input type="checkbox"/> INWE 15010-90	BASIC CUTTING PRACTICES	0.13	3	13.55	32.89	46.44
<input type="checkbox"/> INWE 25010-90	SMAW TERMS DEFINITIONS	0.17	4	14.95	43.01	57.96
<input type="checkbox"/> INWE 25020-90	ELECTRODES FOR SMAW	0.21	5	21.35	53.13	74.48
<input type="checkbox"/> INWE 25040-90	ANALYZE WELD CHARACTERISTICS	0.13	3	13.55	32.89	46.44
<input type="checkbox"/> INWE 35010-90	INTRO TO METALLURGY	0.46	11	25.01	116.38	141.48
<input type="checkbox"/> INWE 35030-90	METALLURGY FUND CAST IRON	0.13	3	13.55	32.89	46.44
<input type="checkbox"/> INWE 35040-90	METALLURGY FUND STAINLESS	0.13	3	13.55	32.89	46.44
<input type="checkbox"/> INWE 35050-90	TESTING METALS	0.42	10	23.70	106.26	129.96
INDUSTRIAL HEATING, VENTILATION, AIR CONDITIONING, AND REFRIGERATION						
<input type="checkbox"/> INHR C910	HVAC-R ORIENTATION		2	0.00	0.00	0.00
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<input type="checkbox"/> INHR 10021-90	TRADE MATHEMATICS	0.42	10	30.70	106.26	136.96
<input type="checkbox"/> INHR 40041-90	AIR QUALITY EQUIPMENT	0.33	8	27.55	83.49	111.04
<input type="checkbox"/> INHR 45011-90	DIGITAL CONTROLS HVAC TECHS	0.21	5	98.35	53.13	151.48
<input type="checkbox"/> INHR 45021-90	BUILDING MANAGEMENT SYSTEMS	0.75	18	42.25	189.75	232.00
<input type="checkbox"/> INHR 50011-90	SHEET METAL DUCT SYSTEMS	0.42	10	45.70	106.26	151.96
<input type="checkbox"/> INHR 50021-90	FIBERGLASS FLEXIBLE DUCT SYS	0.21	5	23.35	53.13	76.48
<input type="checkbox"/> INHR 55021-90	PLANNED MAINTENANCE	0.83	20	58.05	209.99	268.04
<input type="checkbox"/> INHR 55031-90	CONSTRUCTION DRAWINGS SPECIFI	1.04	25	54.40	263.12	317.52
<input type="checkbox"/> INHR 70011-90	INTRO TO SUPERVISORY SKILLS	0.63	15	63.05	159.39	222.44
INDUSTRIAL PIPEFITTING						
<input type="checkbox"/> INPF C910	PIPEFITTING ORIENTATION		2	0.00	0.00	0.00
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<input type="checkbox"/> INPF 20081-90	PIPING STAINLESS	0.33	8	47.55	83.49	131.04
<input type="checkbox"/> INPF 30031-90	VALVES SELF CONTAINED	0.29	7	26.15	73.37	99.52
<input type="checkbox"/> INPF 30041-90	PIPING SUPPORT	0.25	6	44.75	63.25	108.00
<input type="checkbox"/> INPF 30061-90	PIPING COMPRESSION	0.25	6	14.75	63.25	78.00
<input type="checkbox"/> INPF 30131-90	CPVC PIPING	0.08	2	33.08	20.24	54.04
<input type="checkbox"/> INPF 40021-90	SPRINKLER HEADS	0.21	5	13.55	53.13	66.48
<input type="checkbox"/> INPF 40031-90	WET FIRE PROTECTION SYSTEM	0.21	5	18.35	53.13	71.48
<input type="checkbox"/> INPF 40041-90	DRY FIRE PROTECTION SYSTEM	0.21	5	18.35	53.13	71.48
<input type="checkbox"/> INPF 40051-90	DELUGE & FOAM FIRE PROTECTION	0.21	5	13.35	53.13	66.48

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

FOR OFFICE USE ONLY

Instructor Approval _____ Date _____
Total Credit _____ Total Contact _____ Total Cost _____