

KELLOGG COMMUNITY COLLEGE
INDUSTRIAL TECHNOLOGY
COURSE OPTIONS

SPRING 2024

Certificate: 30 credits

Associate in Applied Science: 60 credits (combination of industrial technology, 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"/> INT C910-6250	IND TECHNOLOGY ORIENTATION		2	0.00	0.00	0.00

The orientation must be completed at the BACC in Coldwater prior to registration. Please call 517-279-5753 to verify available orientation times.

UNIT 10 APPLIED SCIENCE AND MATERIALS

<input type="checkbox"/> INT 10010-6250	PRINCIPLES OF FERROUS METALS	0.63	15	113.00	169.79	282.79
<input type="checkbox"/> INT 10020-6250	PRINCIPLES NON FERROUS METALS	0.63	15	83.00	169.79	252.79
<input type="checkbox"/> INT 10060-6250	STATICS AND DATA ACQUISITION	0.42	10	20.00	113.19	133.19
<input type="checkbox"/> INT 10070-6250	THERMODYN ENERGY HEAT TRANSFER	1.00	24	36.00	269.50	305.50
<input type="checkbox"/> INT 10080-6250	DYNAMICS FORCE AND MOTION	1.13	27	101.00	304.54	405.54
<input type="checkbox"/> INT 10090-6250	FLUIDS	0.33	8	10.00	88.94	98.94
UNIT TOTAL		4.14	99	363.00	1,115.75	1478.75

UNIT 15 PRODUCT DESIGN ELEMENTS

<input type="checkbox"/> INT 15030-6250	ELECTRICAL PRINTS	0.29	7	77.00	78.16	155.16
<input type="checkbox"/> INT 15040-6250	HYDRAULIC PNEUMATIC PRINT	0.29	7	17.00	78.16	95.16
<input type="checkbox"/> INT 15050-6250	WELDING PRINTS	0.08	2	17.00	21.56	38.56
<input type="checkbox"/> INT 15060-6250	PIPING PLUMBING PRINTS	0.21	5	17.00	56.60	73.60
UNIT TOTAL		0.87	21	128.00	234.48	362.48

UNIT 30 ELECTRO-MECHANICAL DEVICES, EQUIPMENT, AND SAFETY

<input type="checkbox"/> INT 30010-6250	MANUFACTURING SAFETY	1.00	24	43.00	269.50	312.50
<input type="checkbox"/> INT 30020-6250	OSHA 10	0.92	22	31.00	247.94	278.94
<input type="checkbox"/> INT 30040-6250	ARC FLASH LOCKOUT TAGOUT	0.29	7	48.00	78.16	126.16
<input type="checkbox"/> INT 30050-6250	ELECTROMECHANICAL DEVICE EQUIP	1.08	26	88.00	291.06	379.06
<input type="checkbox"/> INT 30060-6250	INTRO TO POWER TRANSMISSIONS	0.13	3	6.00	35.04	41.04
<input type="checkbox"/> INT 30090-6250	FLAT BELT DRIVES	0.25	6	10.00	67.38	77.38
<input type="checkbox"/> INT 30100-6250	V BELT DRIVES	0.25	6	11.00	67.38	78.38
<input type="checkbox"/> INT 30110-6250	CHAIN DRIVES	0.25	6	13.00	67.38	80.38
<input type="checkbox"/> INT 30140-6250	LUBRICANTS AND LUBRICATION	0.17	4	6.00	45.82	51.82
<input type="checkbox"/> INT 30150-6250	ADDITIVES LUB ACT BEARING LUB	0.08	2	3.00	21.56	24.56
<input type="checkbox"/> INT 30160-6250	OILS AND THEIR APPLICATIONS	0.08	2	3.00	21.56	24.56
<input type="checkbox"/> INT 30170-6250	GENERAL SPECIAL PURPOSE GREASE	0.17	4	3.00	45.82	48.82
<input type="checkbox"/> INT 30190-6250	LUBRICATING SYSTEMS METHODS	0.13	3	3.00	35.04	38.04
<input type="checkbox"/> INT 30200-6250	LUBRICANT STORAGE AND HANDLING	0.08	2	3.00	21.56	24.56
<input type="checkbox"/> INT 30260-6250	RIGGING SAFETY WEIGHT ESTIMATE	0.13	3	17.00	35.04	52.04
<input type="checkbox"/> INT 30270-6250	RIGGING SAFETY WIRE ROPE SLING	0.13	3	17.00	35.04	52.04
<input type="checkbox"/> INT 30280-6250	RIG SAFETY FIBER ROPE SLINGS	0.38	9	17.00	102.41	119.41
<input type="checkbox"/> INT 30290-6250	RIGGING SAFETY CHAIN SLINGS	0.08	2	17.00	21.56	38.56
<input type="checkbox"/> INT 30300-6250	RIGGING SAFETY HOISTS CRANES	0.21	5	17.00	56.60	73.60
<input type="checkbox"/> INT 30310-6250	RIGGING SAFETY HAND SIGNALS	0.13	3	17.00	35.04	52.04
<input type="checkbox"/> INT 30320-6250	HAND AND POWER TOOLS	0.67	16	26.00	180.57	206.57
UNIT TOTAL		6.61	158	399.00	1,781.46	2,180.46

UNIT 40 MAINTENANCE SYSTEMS DESIGN AND DEVELOPMENT

<input type="checkbox"/> INT 40010-6250	PRODUCTION PRODUCT HANDLING	0.58	14	113.00	156.31	269.31
<input type="checkbox"/> INT 40020-6250	IND MAINTENANCE TROUBLESHOOTIN	0.92	22	138.00	247.94	385.94
<input type="checkbox"/> INT 40030-6250	PREVENTIVE PREDICTIVE MAINTEN	1.25	30	46.00	336.88	382.88
UNIT TOTAL		2.75	66	297.00	741.13	1,038.13

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UNIT 45 QUALITY AND LEAN MANUFACTURING						
<input type="checkbox"/> INT 45030-6250	QUALITY SYSTEMS LEAN MFG	0.67	16	123.00	180.57	303.57
<input type="checkbox"/> INT 45040-6250	5S SYSTEM	0.33	8	73.00	88.94	161.94
<input type="checkbox"/> INT 45050-6250	TPM POKA YOKE AND LEAN THEORY	0.45	11	93.00	121.28	214.28
<input type="checkbox"/> INT 45060-6250	LEAN VISUAL WORKPLACE KAIZEN	0.29	7	43.00	78.16	121.16
<input type="checkbox"/> INT 45070-6250	VALUE STREAM MAPPING SETUP RED	0.38	9	73.00	102.41	175.41
UNIT TOTAL		2.12	51	405.00	571.36	976.36
TOTAL		16.49	395	1,592.00	4,444.18	6,036.18

FOR OFFICE USE ONLY

Instructor Approval _____ Date _____

Total Credit _____ Total Contact _____ Total Cost _____