

**KELLOGG COMMUNITY COLLEGE**  
**INDUSTRIAL TECHNOLOGY**  
**COURSE OPTIONS**

**SPRING 2022**

Certificate: 30 credits (minimum requirement for certificate cannot be completed entirely at this location)  
 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 C910-2201	IND TECHNOLOGY ORIENTATION The orientation must be completed at the EAC in Albion prior to registration. Please call 517-630-8169 to verify available orientation times.		2	0.00	0.00	0.00
<b>UNIT 15 PRODUCT DESIGN ELEMENTS</b>						
<input type="checkbox"/> INT 15010-2201	FUNDAMENTALS OF PRINT READING	0.92	22	77.00	237.36	314.36
<input type="checkbox"/> INT 15030-2201	ELECTRICAL PRINTS	0.29	7	77.00	74.82	151.82
<b>UNIT TOTAL</b>		<b>1.21</b>	<b>29</b>	<b>154.00</b>	<b>312.18</b>	<b>466.18</b>
<b>UNIT 30 ELECTRO-MECHANICAL DEVICES, EQUIPMENT, AND SAFETY</b>						
<input type="checkbox"/> INT 30020-2201	OSHA 10	0.92	22	31.00	237.36	268.36
<input type="checkbox"/> INT 30040-2201	ARC FLASH LOCKOUT TAGOUT	0.29	7	48.00	74.82	122.82
<input type="checkbox"/> INT 30060-2201	INTRO TO POWER TRANSMISSIONS	0.13	3	6.00	33.54	39.54
<input type="checkbox"/> INT 30070-2201	COUPLINGS	0.17	4	11.00	43.86	54.86
<input type="checkbox"/> INT 30080-2201	CLUTCHES AND BRAKES	0.33	8	10.00	85.14	95.14
<input type="checkbox"/> INT 30090-2201	FLAT BELT DRIVES	0.25	6	10.00	64.50	74.50
<input type="checkbox"/> INT 30100-2201	V BELT DRIVES	0.25	6	11.00	64.50	75.50
<input type="checkbox"/> INT 30110-2201	CHAIN DRIVES	0.25	6	13.00	64.50	77.50
<input type="checkbox"/> INT 30120-2201	SPEED REDUCERS	0.25	6	10.00	64.50	74.50
<input type="checkbox"/> INT 30130-2201	GEARS	0.25	6	6.00	64.50	70.50
<b>UNIT TOTAL</b>		<b>3.09</b>	<b>74</b>	<b>156.00</b>	<b>797.22</b>	<b>953.22</b>
<b>UNIT 35 PROGRAMMING AND CONTROLS</b>						
<input type="checkbox"/> INT 35010-2201	INTRODUCTION TO ROBOTICS	0.67	16	29.00	172.86	201.86
<input type="checkbox"/> INT 35020-2201	ROBOT PROGRAMMING	1.29	31	29.00	332.82	361.82
<b>UNIT TOTAL</b>		<b>1.96</b>	<b>47</b>	<b>58.00</b>	<b>505.68</b>	<b>563.68</b>
<b>UNIT 40 MAINTENANCE SYSTEMS DESIGN AND DEVELOPMENT</b>						
<input type="checkbox"/> INT 40120-2201	FACTS ABOUT AIR	0.33	8	23.00	85.14	108.14
<input type="checkbox"/> INT 40130-2201	AIR PREPARATION	0.33	8	13.00	85.14	98.14
<input type="checkbox"/> INT 40140-2201	AIR PIPING	0.33	8	23.00	85.14	108.14
<input type="checkbox"/> INT 40150-2201	PNEUMATIC ACTUATORS	0.33	8	13.00	85.14	98.14
<input type="checkbox"/> INT 40160-2201	PNEUMATIC VALVES	0.33	8	13.00	85.14	98.14
<b>UNIT TOTAL</b>		<b>1.65</b>	<b>40</b>	<b>85.00</b>	<b>425.70</b>	<b>510.70</b>
<b>TOTAL</b>		<b>7.91</b>	<b>192</b>	<b>453.00</b>	<b>2040.78</b>	<b>2493.78</b>

Please note: Kellogg Community College offers additional Industrial Technology courses at the Regional Manufacturing Technology Center in Battle Creek.

**FOR OFFICE USE ONLY**

Instructor Approval \_\_\_\_\_ Date \_\_\_\_\_

Total Credit \_\_\_\_\_ Total Contact \_\_\_\_\_ Total Cost \_\_\_\_\_