

KELLOGG COMMUNITY COLLEGE

INDUSTRIAL MECHANIC

COURSE AND CERTIFICATE OPTIONS

Certificate Level 1: 17 credits

Certificate Level 2: 30 credits

Degree: 60 credits (see college catalog for graduation requirements)

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

INDUSTRIAL MECHANIC LEVEL 1 CERTIFICATE REQUIRED COURSES

KCC Course	Topics Covered	Credit	Contact Hours
<input type="checkbox"/> INTR 101 INDUSTRIAL TRADES CORE		4.00	96
	Build Your Future in Construction Basic Safety (Construction Site Safety Orientation) Introduction to Construction Math Introduction to Hand Tools Introduction to Power Tools Introduction to Construction Drawings Introduction to Basic Rigging Basic Communication Skills Basic Employability Skills Introduction to Material Handling		
<input type="checkbox"/> INMC 101 INDUSTRIAL MECHANIC FUNDAMENTALS 1		3.00	72
	Intro to Industrial Maintenance Hand Tools Power Tools Fasteners and Anchors Craft-Related Mathematics Reading Mechanical Drawings Rigging Practices		
<input type="checkbox"/> INMC 102 INDUSTRIAL MECHANIC FUNDAMENTALS 2		3.00	72
	Oxyfuel Cutting Gaskets and Packing Pumps and Drivers Identifying and Installing Valves Electrical Test Equipment Motorized Equipment Lubrication		
<input type="checkbox"/> INMC 111 PIPING SYSTEMS AND APPLICATION		3.00	72
	Basic Copper and Plastic Piping Practices Basic Carbon Steel Piping Practices Piping Systems Testing Piping Systems and Equipment Maintaining Valves Basic Layout Introduction to Tube Work		
<input type="checkbox"/> INMC 112 THERMAL POWER SYSTEMS AND APPLICATIONS		4.00	96
	Introduction to Bearings Introduction to Conveyors Low-Pressure Steam Systems High-Pressure Steam Generation Systems Distillation Towers and Vessels Industrial Heat Transfer Equipment		

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TOTAL FOR INDUSTRIAL MECHANIC LEVEL 1 REQUIRED COURSES	17.00	408
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INDUSTRIAL MECHANIC LEVEL 2 CERTIFICATE REQUIRED COURSES

THESE REQUIRED COURSES FROM INDUSTRIAL MECHANIC LEVEL 1 MUST BE COMPLETED FIRST: INMC 101, INMC 102, INMC 111, INMC 112

KCC Course	Topics Covered	Credit	Contact Hours
<input type="checkbox"/> INMC 103 INDUSTRIAL MECHANIC FUNDAMENTALS 3		2.00	48
	Advanced Pipefitting Math Precision Measuring Tools		
<input type="checkbox"/> INMC 201 INDUSTRIAL MECHANIC APPLICATIONS 1		3.00	72
	Removing and Installing Bearings Couplings and Alignment Fundamentals Mechanical Seals Troubleshooting and Repairing Conveyors		
<input type="checkbox"/> INMC 202 INDUSTRIAL MECHANIC APPLICATIONS 2		3.00	72
	Setting Baseplates and Soleplates Prealignment and Shim Fabrication Dial Indicator Alignment Installing Belt and Chain Drives		
<input type="checkbox"/> INMC 211 ADVANCED INDUSTRIAL MECHANIC APPLICATIONS 1		3.00	72
	Preventative and Predictive Maintenance Advanced Mechanical Drawings Troubleshooting and Repairing Pumps Troubleshooting and Repairing Gearboxes		
<input type="checkbox"/> INMC 212 ADVANCED INDUSTRIAL MECHANIC APPLICATIONS 2		4.00	96
	Basic Pneumatic Systems Compressors and Compressor Maintenance Laser Alignment Introduction to Leadership Advanced Towers and Vessels		

COURSES FROM INDUSTRIAL HEATING, VENTILATION, AIR CONDITIONING, AND REFRIGERATION: INHR 12011, INHR 12021, INHR 12031, INHR 12041, AND INHR 12051 = 2 CREDITS, 48 CONTACT HOURS

TOTAL FOR INDUSTRIAL MECHANIC LEVEL 2 REQUIRED COURSES (not including required courses from Industrial Mechanic 1 section or INHR)	28.00	672
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