

KELLOGG COMMUNITY COLLEGE

MILLWRIGHT

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.

MILLWRIGHT 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"/> INMW 101 MILLWRIGHT FUNDAMENTALS 1		4.00	96
	Introduction to the Millwright Craft Millwright Hand Tools Fasteners and Anchors Field Sketching Basic Layout Reading Mechanical Drawings		
<input type="checkbox"/> INMW 102 MILLWRIGHT FUNDAMENTALS 2		3.00	72
	Craft-Related Mathematics Millwright Power Tools Craft-Related Algebra and Trigonometry		
<input type="checkbox"/> INMW 111 MILLWRIGHT APPLICATIONS 1		3.00	72
	Precision Measuring Tools Setting Baseplates and Soleplates Rigging Practices Oxyfuel Cutting		
<input type="checkbox"/> INMW 112 MILLWRIGHT APPLICATIONS 2		3.00	72
	Gaskets and Packing O-Rings and Non-Mechanical Seals Introduction to Bearings Removing and Installing Bearings Plasma Arc Cutting		
TOTAL FOR MILLWRIGHT LEVEL 1 REQUIRED COURSES		17.00	408

MILLWRIGHT LEVEL 2 CERTIFICATE REQUIRED COURSES

THESE REQUIRED COURSES FROM MILLWRIGHT LEVEL 1: INMW 101, INMW 102, INMW 111, INMW 112

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KCC Course	Topics Covered	Credit	Contact Hours
<input type="checkbox"/> INMW 201 INDUSTRIAL PNEUMATICS AND ADVANCED DRAWINGS		3.00	72
	Basic Pneumatic Systems Compressors and Compressor Maintenance Troubleshooting and Repairing Pneumatic Equipment Vibration Analysis Advanced Mechanical Drawings		
<input type="checkbox"/> INMW 202 INDUSTRIAL PUMPS AND FLUID POWER		3.00	72
	Introduction to Pumps Troubleshooting and Repairing Pumps Mechanical Seals Lubrication		
<input type="checkbox"/> INMW 203 INTRODUCTION TO PRECISION ALIGNMENT		3.00	72
	Couplings and Alignment Fundamentals Prealignment and Shim Fabrication Dial Indicator Alignment		
<input type="checkbox"/> INMW 211 ADVANCED MILLWRIGHT APPLICATIONS 1		4.00	96
	Basic Hydraulic Systems Troubleshooting and Repairing Hydraulic Equipment Laser Alignment Optical Layout and Alignment Preventative and Predictive Maintenance Crane Safety and Emergency Procedures Crane Communications		
<input type="checkbox"/> INMW 212 ADVANCED MILLWRIGHT APPLICATIONS 2		4.00	96
	Installing Belt and Chain Drives Introduction to Conveyors Troubleshooting and Repairing Conveyors Gearboxes Troubleshooting and Repairing Gearboxes Turbines Maintaining and Repairing Turbine Components		
TOTAL FOR MILLWRIGHT LEVEL 2 REQUIRED COURSES (not including required Millwright Level 1 courses)		17.00	408