

Millwright ILM Pre-Study Package List – 2007 NOA (Developed June 26, 2009).

Module No.	Description
160101a	General Safety
160101b	Fire Safety
160101c	WHMIS
160101d	Ladders and Scaffolds
160102b	Measuring Tools
160102c	Layout
160102d	Precision Measuring Tools
160103a	Benchwork (Non-Cutting Hand Tools)
160103bA	Benchwork (Hand-Held Cutting Tools) - Part A
160103bB	Benchwork (Hand-Held Cutting Tools) - Part B
160104aA	Threaded Fasteners and Locking Devices - Part A
160104aB	Threaded Fasteners and Locking Devices - Part B
160104b	Non-Threaded Fasteners and Locking Devices
160104c	Installation and Removal of Fasteners
160105a	Grinders
160105b	Power Saws
160106a	Drilling
160106b	Milling
160106c	Lathe Construction and Accessories
160106d	Cutting Tools: Speeds and Feeds
160106e	Lathe Operations
160106f	Taper Systems
160106g	Machine Cutting Fluids
160107a	Metallurgy
160108a	Grouting, Levelling and Anchoring
160108b	Rim and Face Shaft Alignment
160109aA	Rigging Procedures - Part A
160109aB	Rigging Procedures - Part B
160109aC	Rigging Procedures - Part C
160109b	Cranes and Hoists
160110a	Working with Numbers
160111aA	Introduction to Applied Print Reading: Sketching and Drawings - Part A

160111aB	Introduction to Applied Print Reading: Sketching and Drawings - Part B
160111b	Introduction to Applied Print Reading: Prints and Drawings.
160111c	Applied Print Reading: Pictorial Drawings
160111d	Applied Print Reading: Sections
160111e	Applied Print Reading: Limits, Fits and Tolerances
160111f	Metal Identification and Structural Steel Shapes
160201a	Gaskets
160202a	Anti-Friction Bearing Classification and Identification
160202bA	Anti-Friction Bearing Removal and Installation - Part A
160202bB	Anti-Friction Bearing Removal and Installation - Part B
160202cA	Plain Bearings - Part A
160202cB	Plain Bearings - Part B
160202dA	Bearing Maintenance - Part A
160202dB	Bearing Maintenance - Part B
160202e	Bearing Seals and Pillow Blocks
160203a	Couplings
160203b	Clutches and Brakes
160203c	Shafting, Fits and Accessories
160203dA	Power Transmission: Belts - Part A
160203dB	Power Transmission: Belts - Part B
160203eA	Power Transmission: Chain - Part A
160203eB	Power Transmission: Chain - Part B
160203f	Gearing Fundamentals
160203gA	Gear Installation and Maintenance - Part A
160203gB	Gear Installation and Maintenance - Part B
160203h	Variable-Speed Power Transmission Devices
160204aA	Cross Dial Alignment - Part A
160204aB	Cross Dial Alignment - Part B
160205aA	Compressor Fundamentals - Part A
160205aB	Compressor Fundamentals - Part B
160205bA	Repair of Compressor Stationary Components - Part A
160205bB	Repair of Compressor Stationary Components - Part B
160205cA	Repair of Compressor Moving Components - Part A
160205cB	Repair of Compressor Moving Components - Part B
160205d	Repair of Compressor Valves and Gas Sealing

160205e	Compressor Servicing
160205f	Compressor Overhaul and Start-Up Procedures
160206aA	Oxyacetylene Equipment and Procedures - Part A
160206aB	Oxyacetylene Equipment and Procedures - Part B
160206bA	Electric Arc Welding - Part A
160206bB	Electric Arc Welding - Part B
160207aA	Lubrication - Part A
160207aB	Lubrication - Part B
160208a	Area, Volume and Capacities
160208bA	Transmission of Force and Motion - Part A
160208bB	Transmission of Force and Motion - Part B
160208c	Gas Laws and Coefficient of Linear Expansion
160208d	Alignment Calculations
160209a	Applied Print Reading: Auxiliary Views and Assembly Drawings
160209b	Applied Print Reading: Single Line Drawings
160209c	Castings
160209d	Basic Joints and Weld Types
160209e	Welding Symbols
160209f	Applied Print Reading: Mechanical Components
160301aA	Introduction to Hydraulics - Part A
160301aB	Introduction to Hydraulics - Part B
160301bA	Hydraulic Valves - Part A
160301bB	Hydraulic Valves - Part B
160301cA	Hydraulic Pumps and Actuators - Part A
160301cB	Hydraulic Pumps and Actuators - Part B
160301dA	Accessories, Fluids and Seals - Part A
160301dB	Accessories, Fluids and Seals - Part B
160301eA	Troubleshooting and Maintenance - Part A
160301eB	Troubleshooting and Maintenance - Part B
160301fA	Pipe - Part A
160301fB	Pipe - Part B
160301g	Valves
160301h	Pneumatic Systems
160303a	Air Tools
160303b	Explosive Actuated Tools

160304a	Screw Compressors and Lobe Blowers
160304bA	Vane and Liquid Ring Compressors - Part A
160304bB	Vane and Liquid Ring Compressors - Part B
160304c	Dynamic Compressors
160304d	Fans
160305a	Gas and Air Dryers
160306a	Laser Shaft Alignment
160306bA	Optical Leveling and Alignment - Part A
160306bB	Optical Levelling and Alignment - Part B
160306c	Machine Levelling
160307a	Information Gathering, Computers and Catalogues
160307b	Managed Maintenance Systems
160308a	Non-Destructive Testing
160310aA	Hydraulic Calculations - Part A
160310aB	Hydraulic Calculations - Part B
160311a	Hydraulic and Pneumatic Systems
160401a	Stationary Industrial Engine Fundamentals
160401b	Engine Component Identification and Repair
160401cA	Engine Systems and Servicing - Part A
160401cB	Engine Systems and Servicing - Part B
160401d	Engine Installation and Start-Up
160401eA	Steam Turbines - Part A
160401eB	Steam Turbines - Part B
160401f	Gas Turbines
160401g	Governors
160402aA	Vibration Analysis - Part A
160402aB	Vibration Analysis - Part B
160402b	Balancing
160402dA	Industrial Controls: Schematics, Ladder Diagrams and Logic Control - Part A
160402dB	Industrial Controls: Schematics, Ladder Diagrams and Logic Control - Part B
160403a	Advanced Alignment
160404a	Dynamic Pump Selection
160404b	Dynamic Pump Construction
160404c	Positive Displacement Pumps
160404d	Pump Operation and Repair

160405a	Mechanical Seals
160405b	Compression Packing
160406a	Belt Conveyors
160406b	Chain, Bucket and Screw Conveyors
160406c	Package Handling Roller Conveyors
160407a	Maintenance Planning
160408a	Dynamic Pump Calculations
DP160311b	Blueprint Package