The following is a list of core courses included in the Maintenance Technician Mechanical (MTM) Training Program.

**INTRODUCTION & BASIC MATH**
- Rea5 – Study Skills
- Maintenance Principles
- TRB1 – Maintenance Troubleshooting Procedures
- MAT1 – Whole Numbers
- MAT2 – Fractions
- MAT3 – Decimals
- MAT4 – Algebra

**PRINT READING**
- PRT1 – Print Reading: Orthographic Projection
- PRT2 – Print Reading: Format & Dimension
- PRT3 – Print Reading: Types & Symbols
- PRT4 – Thread Specifications
- TPC/PRT – Reading Schematics & Symbols

**SAFETY & HEALTH**
- Personal Protective Equipment: Don’t Start Work Without It
- Lockout/Tagout: Lightening In A Bottle
- Electrical Safety: Beware the Bite
- Machine Guarding: Safeguarding Your Future
- HazCom: In Sync with GHS
- Chemical Handling: Basic Principles
- TPC – Industrial Safety & Health
- OSHA 10 HR General Industry

**RIGGING**
- Rigging: Equipment Basics
- Rigging: Operations

**LUBRICATION**
- MLU1 – Lube Oil: Types, Properties & Handling
- MLU2 – Lube Oil: Equipment & Procedures
- MLU3 – Lube Grease: Types, Application & Equip.
- INS9 – Lubrication System Inspection

**DRIVE COMPONENTS**
- MDR1-Industrial Drives: Belt Drives
- MDR2-Industrial Drives: Chain Drives
- CDP1-Industrial Drives: Complete Drive Package
- INS7- Operator Inspection: Belt drive, chain drive & gear box inspection
- EDS1 – Industrial Drives: Enclosed Drive System
- CBR1 – Clutches & Brakes: Types, Principles & Functions
- CBR2 – Clutches & Brakes Troubleshooting
- INS8 – Operator Inspection: Clutch & Brake Inspection
- GGS1 – Industrial Drives: Gears and Gear Systems
- SJC1 – Industrial Drives: Shaft and Coupling Devices

**SEALS**
- MPS1 – Industrial Seals: Types, Materials & Properties
- MPS2 – Gaskets & Packing: Inspection & Installation
- MPS3 – Mechanical Face Seals: Troubleshooting

**PUMPS**
- PUM1 – Centrifugal: Pumps: Design & Function
- PUM2 – Centrifugal: System Characteristics / Selection
- PUM3 – Centrifugal: Operation & Maintenance
- PUM4 – Centrifugal: Troubleshooting & Disassembly
- PUM5 – Centrifugal: Reassembly & Installation
- TRB4 – Maintenance Troubleshooting: Pumps & Compressors

**BEARINGS**
- BRG1 – Industrial Bearings: Application & Technology
- BRG2 – Bearings: Maintenance & Installation
- BRG3 – Industrial Bearings: Troubleshooting

**PIPING SYSTEMS**
- TPC Piping Systems OR TPC Maintenance Pipefitting

**VALVES**
- FVB1 – Shutoff Valve Designs and Applications
- FVB2 – Selecting Shutoff Valves & Accessories
- FVB3 – Installing Shutoff Valves
- FVB4 – Maintaining Shutoff Valves
- Control Valves & Actuators: Basics & Functions*
- Control Valves: Types and Designs*
- Control Valves: Fundamentals & Selection*
- Control Valves: Sizing & Installation*
PNEUMATICS
- PNM1 – The Power of Compressed Air
- PNM2 – The Pneumatic Circuit
- PNM3 – Processing Air
- PNM4 – Using Compressed Air
- PNM5 – Pneumatic Control Valves
- PNM6 – Working Safely w/ Pneumatic Systems
- PNM7 – Pneumatic System Maintenance
- PNM8 – System troubleshooting
- INS1 – Pneumatic System Inspection

HYDRAULICS
- IDH1 – Ind. Hydraulics: Principles & Application
- IDH2 – Ind. Hydraulics: Types & Concepts
- IDH3 – Hydraulics: Functions & Operating Principles
- IDH4 – Hydraulics: Maintenance & Troubleshooting
- HDL1: Harnessing Hydraulic Power
- HDL2 – The Hydraulic Circuit
- HDL3 – Hydraulic Pumps & Actuators
- HDL4 – Hydraulic Control Valves
- HDL5 – Hydraulic Fluid
- HDL6 – Hydraulic System Safety and Maintenance
- HDL7 – Hydraulic Systems Troubleshooting
- HPS1 – Hydraulic Power Systems: Identification & Operation
- HPS2 – Hydraulic Power Systems Troubleshooting

WELDING
- TPC Welding Principles

BASIC ELECTRICITY
- ELS1 – Basic Principles
- ACDC1 – Current
- ACDC2 – Voltage
- ACDC3 – Resistance
- ACDC4 – Ohm’s Law
- ACDC5 – Magnetism
- ACDC6 – Electrical Measurements
- ACDC7 – DC Circuits

MEASUREMENT / INSTRUMENTATION
- PME1 – Temperature Measurement*
- PME2 – Pressure Measurement*
- PME5 – Level Measurement*
- PME7 – Flow Measurement*

* = Premium courses

Text / Materials (To supplement online training)
2. Technical Print Reading, Schoolcraft
4. Additional titles available as appropriate

Training packages can be customized for your business.
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