

**RELATED INSTRUCTION OUTLINE  
INDUSTRIAL MAINTENANCE MECHANIC  
O\*NET-SOC CODE: 49-9041.00 RAPIDS CODE: 0308/0308HY**

Related instruction - This instruction shall include, but not be limited to:  
Using the following training matrix, local JATCs can design a flexible training program to meet the needs of our local industries while at the same time providing apprentices the opportunity to complete their apprenticeship.

<b>Core Skills</b>	<b>Lubrication and Inspection</b>	<b>Maintenance and Repair</b>	<b>Advanced Manufacturing and Robotics</b>	<b>Supplemental Skills</b>
Introduction to Industry	Lubricants and Lubrication Systems	Mechanical Power Transmission	Mechanical Drives	Metal Fabrication
OSHA 10-Hour	Sealants and Gaskets	Hydraulic and Pneumatic Systems	Fluid and Pneumatic Power Systems	Oxygen-Acetylene Cutting
CPR/First Aid/AED	Shafts	Compressors	Electrical Systems	Basic SMAW Welding
Math for the Trades	Bearings	Industrial Belting	Motorized and PLC Controls	Basic GMAW Welding
Construction Fall Protection	Gearboxes	Machinery Alignment	Robotics	Basic GTAW Welding
Hand and Power Tools	Mechanical Seals	Laser Shaft Alignment		Basic GMAW Welding
Safety Data Sheets	Inspection Criteria	Advanced Optical Alignment		Basic GMAW Welding
Mechanical Print Reading	Troubleshooting and Analysis			Scaffold User
Green Awareness	Maintenance Reports			
Diversity Training				
<b>Optional Instruction</b>				
MW 16-hour Safety Course		Pump Repair Technician Level 1	Vibration Analysis	UBC Rigging & Signaler Qualification Certificate
Ergonomics		MOV Repair		Powered Industrial Truck Operator Qualification
Human Performance				Aerial Lift Qualification
				Scaffold Erector Qualification
				Certified SMAW
				Certified GMAW
				Certified FCAW
				Certified GTAW

**TOTAL MINIMUM HOURS: 3-Year Program 3,900; 4-year Program 5,200 hours**