

Machinist (MAC)

Module No. Description

150101a	WHMIS
150101b	Basic Measuring Tools
150101c	Precision Measuring Tools
150101d	Angular Measuring Tools
150101e	Inspection Gauges
150101f	Layout Tools and Procedures
150101g	Non-Cutting Hand Tools
150101h	Hand Held Cutting Tools
150101i	Screw Thread Terminology
150101j	Screw Thread Measurement and Gauging
150101k	Fasteners and Locking Devices
150101l	Taper Systems
150101m	Machine Lubrication and Cutting Fluids
150101n	Hand Grinding Machines
150101o	Drilling Machines
150101p	Types of Lathes
150101q	Speeds, Feeds and Cutting Tools
150101r	Lathe Operations
150101s	Power Saws and Cut-Off Machines
150101tA	Machine Shop Rigging - Part A
150101tB	Machine Shop Rigging - Part B
150102a	Metallurgy
150102bA	Oxyacetylene Equipment - Part A
150102bB	Oxyacetylene Equipment - Part B
150104a	Introduction to Print Reading
150104b	Dimensioning Methods
150104c	Isometric Drawings
150104d	Sections
150104e	Applied Print Reading
150201a	Milling Machines
150201b	Milling Cutters
150201c	Tool and Workholding Devices
150201d	Milling Operations
150201e	Dividing Head and Indexing

150201f	Advanced Threading
150201g	Lathe Attachments and Accessories
150201h	Advanced Cutting Tool Materials
150201i	Inserts and Toolholders
150201j	Using Carbide Inserts
150201k	Shapers and Slotters
150202a	CNC Machines: Introduction and Application
150202b	CNC Turning Centres: Machine Types, Parts and Workholding Accessories
150202c	CNC Turning Centres: Program and Machine Co-ordinate Systems
150202d	CNC Turning Centres: Cutting Conditions and Operations
150202e	CNC Turning Centres: Programming Concepts and Codes
150202f	CNC Turning Centres: Program Application
150203a	Base Metals and Alloys
150203b	Metal Specifications and Testing
150205a	Interpret and Sketch Prints
150205b	Symbols and Abbreviations
150205c	Assembly and Sub-Assembly Drawings
150206a	Machinery's Handbook
150301a	Advanced Milling
150301b	Worm Threads
150301c	Multiple Start Threads
150301d	Introduction to Gearing
150301e	Gear Manufacturing Methods
150301f	Abrasives
150301g	Grinding Machines and Processes
150301h	Boring Mills
150301i	Jig Boring and Grinding
150301j	Machine Broaching
150301k	Jigs and Fixtures
150302a	CNC Turning Centres: Program Codes and Formats
150302b	Fixed Canned Cycles
150302c	Linear and Circular Interpolation
150302d	Multiple Repetitive Cycles
150302e	CNC Turning Centres: Tool Nose Radius Compensation
150302f	CNC Threading I: Introduction to Calculations
150302g	CNC Threading II: Programming and Troubleshooting
150302i	Machine Control and Operation
150304a	Interpret and Sketch Prints
150304b	Print Reading: Casting

150304c	Print Reading: Jigs and Fixtures
150401a	Spur Gears and Milling
150401b	Helical Gears
150401c	Worm Gears
150401d	Bevel Gears
150401e	Cams
150401f	Graduating
150401g	Splines
150401h	Bearings and Seals
150401i	Belts and Pulleys
150401j	Basic Hydraulics
150401k	Non-Traditional Manufacturing Processes
150401l	Introduction to Limits and Fits
150401m	Surface Finish
150401n	Precision Measurement
150401o	Gauges and Comparators
150401p	Calibration of Measuring Tools
150402c	Machine and Workpiece Co-ordinate Systems
150402d	Programming Concepts, Codes and Structure
150402e	Machining Conditions
150402f	Canned Cycles: Theory
150402g	Canned Cycles: Program Applications
150402h	Linear and Circular Interpolation
150402i	Cutter Radius Compensation
150402j	Advanced Programming Concepts and Applications
150402k	Set-Up Operations

Plus Welder Modules

120103b	GMAW Filler Metals, Shielding Gases and Safety
120103c	GMAW Equipment Maintenance and Troubleshooting