

## Profile Chart: Machinist - Technical Training

<b>Course A: OCCUPATIONAL SKILLS</b>	A1 Trade Safety Awareness (ACB Standard) Level: 1 Hours: 7	A2 Safety Level: 1 Hours: 7	A3 Orientation I: The Structure and Scope of Machinist Trade Learning (A & C Board Standard) Level: 1 Hours: 7	A4 Hand Threading Level: 1 Hours: 10	A5 Hoisting, Lifting and Rigging Level: 1 Hours: 7	A6 Basic Drawings Level: 1 Hours: 32
	A8 Fluids and Coolants Level: 1 Hours: 7	A9 Mechanical Components Level: 2 Hours: 7	A10 Machinable Materials Level: 1 Hours: 8	A11 Heat Treatment Level: 2 Hours: 12	A12 Material Testing Level: 1 Hours: 20	A13 Introduction to Welding Level: 2 Hours: 7
	A15 Orientation II: The Job of Journeywork Level: 2 Hours: 14	A 16 Job Planning Level: 4 Hours: 21	A17 Pre-Certification Review Level: 2 Hours: 35			
<b>Course B: TOOLS</b>	B1 Hand and Power Tools Level: 1 Hours: 22	B2 Power Saws Level: 2 Hours: 7	B3 Contour Bandsaws Level: 2 Hours: 7	B4 Drills and Drill Presses Level: 1 Hours: 15	B5 Cutting Machine Tools Level: 2 Hours: 8	B6 Reciprocating Machines Level: 3 Hours: 7
<b>Course C: LAYOUT AND MEASUREMENT</b>	C1 Precision Measurement I Level: 1 Hours: 15	C2 Precision Measurement II Level: 2 Hours: 7	C3 Basic Layout Level: 1 Hours: 14	C4 Precision Layout Level: 3 Hours: 15	C5 Quality Inspection Level: 4 Hours: 15	
<b>Course D: LATHES</b>	D1 Introduction to Conventional Lathes Level: 1 Hours: 20	D2 Basic Conventional Lathe Operation Level: 1 Hours: 100	D3 Advanced Lathe Drilling, Boring, Reaming, Tapping and Die Threading Level: 1 Hours: 25	D4 Advanced Conventional Lathe Operation Level: 2 Hours: 80	D5 Taper Turning Level: 2 Hours: 17	
<b>Course E: MILLING MACHINES</b>	E1 Introduction to Milling Machines Level: 1 Hours: 20	E2 Conventional Milling Machine Operation Level: 2 Hours: 75	E3 Horizontal/Universal Milling Machine Operation Level: 3 Hours: 100	E4 Gears and Gear Cutting Level: 3 Hours: 50		
<b>Course F: GRINDERS</b>	F1 Introduction to Grinding Machines Level: 1 Hours: 7	F2 Abrasive Finishing Level: 3 Hours: 20	F3 Surface Grinders Level: 3 Hours: 35	F4 Cylindrical Grinders Level: 3 Hours: 25		
<b>Course G: COMPUTER NUMERICAL CONTROL (CNC) MACHINES</b>	G1 Computer Numerical Control (CNC) Machine-Tools Level: 4 Hours: 27	G2 Computer Numerical Control (CNC) Operation Level: 4 Hours: 37				