

Level Chart: Machinist - Technical Training

Level One (9 Weeks)				Level Two (8 Weeks)			
Code	Unit Title	T	P	Code	Unit Title	T	P
A1	Trade Safety Awareness(ACB Standard)	7	0	E2	Conventional Milling Machine Operation	15	60
A2	Safety	7	0	A7	Advanced Drawings	32	0
A3	A3 Orientation I: The Structure & Scope of Machinist Trade Learning (A & C Board Standard)	7	0	C2	Precision Measurement II	3	4
A4	Hand Threading	6	4	B5	Cutting Machine Tools	4	4
A5	Hoisting, Lifting and Rigging	3	4	D4	Advanced Conventional Lathe Operation	15	65
A6	Basic Drawings	32	0	D5	Taper Turning	7	10
C1	Precision Measurement I	10	5	B2	Power Saws	3	4
B1	Hand and Power Tools	10	12	B3	Contour Bandsaws	2	5
C3	Basic Layout	8	6	A9	Mechanical Components	4	3
A8	Fluids and Coolants	5	2	A11	Heat Treatment	8	4
B4	Drills and Drill Presses	7	8	A13	Introduction to Welding	7	0
F1	Introduction to Grinding Machines	3	4	A15	Orientation II: The Job of Journeywork	14	7
D1	Introduction to Conventional Lathes	20	0				
D2	Basic Conventional Lathe Operation	20	80				
D3	Advanced Lathe Drilling, Boring, Reaming, Tapping and Die Threading	15	10				
E1	Introduction to Milling Machines	20	0				
Subtotals		180	135	Subtotals		114	166
Total		315 Hours		Total		280 Hours	

Level Three (8 Weeks)				Level Four (4 Weeks)			
Code	Unit Title	T	P	Code	Unit Title	T	P
A10	Machinable Materials	8	0	A16	Job Planning	14	0
A12	Material Testing	10	10	C5	Quality Inspection	10	5
E3	Horizontal/Universal Milling Machine Operation	20	80	G1	Computer Numerical Control (CNC) Machine - Tools	27	0
E4	Gears and Gear Cutting	20	30	G2	Computer Numerical Control (CNC) Operation	10	27
B6	Reciprocating Machines	7	0	A14	Reconditioning	12	0
F2	Abrasive Finishing	10	10	A17	Pre-Certification Review	35	0
F3	Surface Grinders	10	25				
F4	Cylindrical Grinders	5	20				
C4	Precision Layout	5	10				
Subtotals		95	185	Subtotals		108	32
Total		280 Hours		Total		140 Hours	