

Profile Chart: Tool and Die Maker - Technical Training

Course A: OCCUPATIONAL SKILLS	A1 Safety in the Machine Shop Level: 1 Hours: 7	A2 Professional Development Level: 1 Hours: 7	A3 Communication Level: 1 Hours: 25	A4 Hand Tools, Power Tools and Benchwork Level: 1 Hours: 22	A5 Drill Presses, Accessories and Drill Press Operations Level: 1 Hours: 15	
Course B: ENGINEERING DRAWINGS	B1 Read and Interpret Drawings I Level: 1 Hours: 32	B2 Read and Interpret Drawings II Level: 2 Hours: 32	B3 Basic Tool Design Level: 3 Hours: 10	B4 GD and T Geometric Dimensioning and Tolerancing Level: 4 Hours: 20		
Course C: TRADE MATH	C1 Trade Math I Level: 1 Hours: 24	C2 Trade Math II Level: 2 Hours: 24	C3 Trade Math III Level: 3 Hours: 24	C4 Trade Math IV Level: 4 Hours: 24		
Course D: TRADE SCIENCE	D1 Trade Science I Level: 1 Hours: 24	D2 Trade Science II Level: 2 Hours: 24	D3 Trade Science III Level: 3 Hours: 24	D4 Trade Science IV Level: 4 Hours: 24		
Course E: MEASUREMENT	E1 Basic Measurement Level: 1 Hours: 15	E2 Precision Measurement Level: 2 Hours: 20	E3 Comparison Measurement Level: 3 Hours: 7	E4 The Coordinate Measuring System Level: 4 Hours: 7		
Course F: LAYOUT TOOLS AND PROCEDURES	F1 Basic Layout Materials, Tools, and Accessories Level: 1 Hours: 7	F2 Basic or Semiprecision Layout Level: 1 Hours: 8	F3 Precision Layout Level: 2 Hours: 10			
Course G: METAL-CUTTING SAWS	G1 Types of Metal Saws Level: 1 Hours: 7	G2 Contour Bandsaw Operations Level: 2 Hours: 10				
Course H: LATHE	H1 Engine Lathe Parts and Accessories Level: 1 Hours: 15	H2 Lathe Operations I Level: 1 Hours: 85	H3 Lathe Operations II Level: 2 Hours: 80			
Course I: MILLING MACHINES	I1 Milling Operations I Level: 1 Hours: 15	I2 Milling Operations II Level: 2 Hours: 60				
Course J: COMPUTER-AGE MACHINING	J1 Computer Numerical Control Level: 4 Hours: 20					
Course K: GRINDING	K1 Offhand Grinding Level: 1 Hours: 7	K2 Surface Grinders and Accessories Level: 2 Hours: 10	K3 Surface-Grinding Operations I Level: 2 Hours: 10	K4 Grinding Operations I Level: 3 Hours: 12	K5 Grinder Operations II Level: 4 Hours: 20	
Course L: DIE MAKING	L1 Basic Die Making (Theory) Level: 3 Hours: 61	L2 Basic Die Making (Practical) Level: 3 Hours: 142	L3 Advanced Die Making (Theory) Level: 4 Hours: 40	L4 Advanced Die Making (Practical) Level: 4 Hours: 88	L5 Jigs and Fixtures (Theory) Level: 4 Hours: 24	L6 Jigs and Fixtures (Practical) Level: 4 Hours: 48