



Training Tomorrow's Technicians On a Foundation of Timeless Values

Tool & Die Maker Apprenticeship Program Outline (STI 6.224)								
Program Objectives	Course Code	Course Title	Est. Hrs.	Prerequisite				
<p>The SUPERB Apprenticeship Program is designed to develop the skill level of the participants and help SUPERB achieve its commitment to maintaining a skilled workforce capable of and committed to <i>superior craftsmanship</i>. This program shall go beyond the minimum standards of the industry and is accredited by the U.S. Department of Labor and the Ohio Apprenticeship Council.</p> <p>To summarize, the purpose of the Apprenticeship Program is to provide SUPERB with qualified personnel and the participants with a nationally accredited training program that will enhance their job qualifications and earnings potential.</p>	Year One			186.5				
	MATH01	Basic Math	4	None				
	SHOPCOM01	Shop Communications	14	None				
	SUP901	SUPERB9000 Systems, Level I	14	None				
	BLUE01	Blueprints for Metalworking	21	MATH01				
	MEAS01	Measurement for Metalworking	18	BLUE01				
	NIMSM01	Measurement, Materials & Safety	12	MEAS01				
	NIMSS01	Metal Forming, Level I	5.5	MEAS01				
	SUP902	SUPERB9000 Systems, Level II	14	SUP01				
	STMP01	Stamping Operations	30	MEAS01				
	NIMSDM01	Drilling/Milling, Level I	54	MEAS01				
	Year Two			202.5				
	Comp01	Basic Computers	12	None				
	NIMSB01	Job Planning, Bench Work, Layout	25.5	NIMSM01				
MATH02	Algebra	15	MEAS01					
MEAS03	Measuring Systems	18	MEAS01					
DIES01	Die Theory	21	MEAS01					
MATH03	Geometry	18	MATH02					
NIMSG01	Surface Grinding, Level I	41.5	MEAS01					
METL01	Material Properties	18	MEAS01					
NIMSM02	Milling, Level II	33.5	NIMSDM01, GD&T01					
Year Three			159.5					
MATH04	Trigonometry	21	MATH03					
MATH05	Angles & Tilt	18	MATH04					
NIMSL01	Lathe, Level I	55.5	MEAS01					
QUAL02	DOE / Process Improvement	16	QUAL04					
GD&T01	GD&T	21	MEAS01					
SOLID01	SolidWorks Essentials	28	COMP01					
Year Four			147					
Grinding 1,000		Mill/Drill 1,000	Die Dev. 1,000	COMP02	CNC Programming	48	NIMSDM01, NIMSL01	
Lathe 500		CNC 500	EDM 100	DIES02	Die Applications	36	DIES01	
Sawing 100		Heat Treat 50		NIMSG02	Surface Grinding, Level II	41.5	NIMSG01, GD&T01	
				NIMSCM03	CNC Milling	21.5	COMP02, GD&T01	
Major Concentration: 3,000 hours								
Minor Concentration: 1,500 hours							Total	695.5
Performance and Competency Requirements								
Graded Instruction: A or B Competency Tests: Pass				Changes may be made to meet the Ohio Apprenticeship Council standards and the needs of SUPERB Industries, Inc.				