

PRECISION MACHINING
INSTRUCTIONAL SEQUENCE CHART

	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
YEAR I	Safety Review Basic Measurement NIMS Introduction Basic Shop Math Preventative Equip. Maintenance Elementary Blueprint Concepts Basic Sawing Applications Basic Drilling Applications Basic Milling Applications Basic Lathe Applications Basic Grinding Applications	Measurement & Safety Concepts Semi-Precision Measurement NIMS Job Planning, Bench-work & Layout Basic Shop Math Preventative Equip. Maintenance Elementary Blueprint Concepts Sawing Applications Drilling Applications Milling Applications Lathe Applications Grinding Applications	Measurement & Safety Concepts Precision Measurement NIMS Job Planning Bench-work & Layout Basic Shop Math Preventative Equip. Maintenance Elementary Blueprint Concepts Sawing Applications Drilling Applications Milling Applications Lathe Applications Grinding Applications	Measurement & Safety Concepts Precision Measurement & Semi-Precision Measurement NIMS Job Planning Bench-work & Layout Basic Shop Math Preventative Equip. Maintenance Elementary Blueprint Concepts Introduction of CNC Concepts Sawing Applications Drilling Applications Grinding Applications
YEAR II	<u>1st Quarter</u> Industrial Shop Safety NIMS Level 1 Manual Milling, Drill Press, Turning & Surface Grinding Intermediate Blueprint Concepts Shop Math Sawing Applications Milling Applications Drilling Applications Lathe Applications Grinding Applications	<u>2nd Quarter</u> Industrial Shop Safety NIMS Level 1 Manual Milling, Drill Press, Turning & Surface Grinding Intermediate Blueprint Concepts Shop Math Sawing Applications Milling Applications Drilling Applications Lathe Applications Grinding Applications	<u>3rd Quarter</u> Industrial Shop Safety NIMS Level 1 Manual Milling, Drill Press, Turning & Surface Grinding Intermediate Blueprint Concepts Shop Math Sawing Applications Milling Applications Drilling Applications Lathe Applications Grinding Applications Intro to CNC Mill Applications	<u>4th Quarter</u> Industrial Shop Safety Heat Treatment Processes NIMS Level 1 Manual Milling, Drill Press, Turning & Surface Grinding Intermediate Blueprint Concepts Shop Math Sawing Applications Milling Applications Drilling Applications Lathe Applications Grinding Applications Intro to CNC Lathe Applications

YEAR III	<p>1st Quarter Industrial Shop Safety Bench work Heat Treatment Processes NIMS Level 1 Milling , Drilling, Grinding & Turning Advanced Blueprint Concepts Advanced Shop Math Advanced Milling Applications Advanced Lathe Applications Advanced Grinding Applications CNC Lathe Programming CNC Mill Programming Co-Operative Education Training</p>	<p>2nd Quarter Industrial Shop Safety Bench work Heat Treatment Processes NIMS Level 1 Milling , Drilling, Grinding, & Turning Advanced Blueprint Concepts Advanced Shop Math Advanced Milling Applications Advanced Lathe Applications Advanced Grinding Applications NIMS CNC Lathe Programming NIMS CNC Mill Programming Co-Operative Education Training</p>	<p>3rd Quarter Industrial Shop Safety Career Acquisition Training Senior Portfolio NIMS Level 1 Milling , Drilling, Grinding, & Turning Advanced Blueprint Concepts Advanced Shop Math Advanced Milling Applications Advanced Lathe Applications Advanced Grinding Applications Introduction to 2D Master Cam CAD/CAM Software NIMS CNC Lathe Programming NIMS CNC Mill Programming Co-Operative Education Training</p>	<p>4th Quarter Industrial Shop Safety Bench work Heat Treatment Processes Career Acquisition Training Senior Portfolio NIMS Level 1 Milling , Drilling, Grinding, Turning, & CNC Mill On-Line Exams Advanced Blueprint Concepts Advanced Shop Math Advanced Milling Applications Advanced Lathe Applications Advanced Grinding Applications 2D Master Cam CAD/CAM Software NIMS CNC Lathe Applications NIMS CNC Mill Applications Co-Operative Education Training</p>