



Precision Machining Course Sequence Chart

	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
LEVEL I	PMT101 45 Machine Shop Knowledge/Safety Practices PMT104 15 NIMS Measurement Materials and Safety PMT113 30 Layout and Preparatory Procedures PMT121 15 CNC Mill and Lathe I PMT173 15 Math: Linear Measurement Methods and Applications <p style="text-align: right;">TOTAL: 120</p>	PMT111 15 NIMS Bench Work and Layout PMT122 45 CNC Mill and Lathe II PMT141 30 Turning and Lathe Tooling PMT161 15 Introductory Blueprint Reading PMT171 15 Math: Fractions and Decimals <p style="text-align: right;">TOTAL: 120</p>	PMT123 15 CNC Mill and Lathe III PMT125 45 CNC Practical Applications I PMT142 45 Milling and Associated Tooling PMT172 15 Math: Ratio, Proportion and Percentage PFS109 7.5 Leadership Principles <p style="text-align: right;">TOTAL: 127.5</p>	PMT124 30 CNC Mill and Lathe IV PMT126 30 CNC Practical Applications II PMT202 45 NIMS Lathe and Grinding Concepts PFS110 7.5 Leadership Principles PMT174 15 Math: Fundamentals of Algebra <p style="text-align: right;">TOTAL: 127.5</p>
LEVEL II	PMT201 30 Machine Shop Knowledge, Safety Concepts PMT203 30 NIMS Milling and Drilling Concepts PMT251 30 Precision Surface Grinding PMT271 15 Math: Fundamentals of Plane Geometry PFS309 7.5 Total Quality Principles BFM301/SRS299 15 Business Finance/Skill Practice <p style="text-align: right;">TOTAL: 127.5</p>	PMT261 30 Blueprint Reading and CNC Practices PMT262 30 Intermediate Blueprint Reading PMT281 30 Machine Tool Programming I PMT272 15 Math: Geometric Figures, Areas, Volumes PFS310 7.5 Total Quality Principles BFM301/SRS299 15 Business Finance/Skill Practice <p style="text-align: right;">TOTAL: 127.5</p>	PMT211 30 Heat Treatment of Metals and NOCTI Prep PMT222 30 Applied CNC Practices PMT282 30 Machine Tool Programming II PMT273 15 Math: Trigonometry BFM301/SRS299 15 Business Finance/Skill Practice <p style="text-align: right;">TOTAL: 120</p>	PMT224 30 NIMS CNC Mill PMT225 30 Intermediate CNC Lathe PMT283 30 G-Code/M-Code Programming PMT274 15 Math: Compound Angles BFM301/SRS299 15 Business Finance/Skill Practice <p style="text-align: right;">TOTAL: 120</p>
LEVEL III	PMT304 45 NIMS Projects, Credentials and Safety PMT332 45 Multipart Design and Assembly I PMT361 15 Lean Production Concepts and Control PMT371 15 Math: Numeration and Coordinate Systems PFS209 7.5 Business Principles <p style="text-align: right;">TOTAL: 127.5</p>	PMT321 30 Applied CNC Machine Practices I PMT333 45 Multipart Design and Assembly II PMT334 30 Fixture and Electrode Design Concepts PMT372 15 Math: Algebraic Formulas, Equations and Operations PFS211 7.5 Business Principles <p style="text-align: right;">TOTAL: 127.5</p>	PMT302 30 Career Pathways I and NOCTI Prep PMT322 45 Applied CNC Machine Practices II PMT393 30 RAM EDM PMT373 15 Math: Trigonometric Functions and Applications <p style="text-align: right;">TOTAL: 120</p>	PMT303 45 Career Pathways II in Machining PMT323 30 Applied CNC Machine Practices III PMT374 30 Machine Time Study PMT375 15 Mathematics Review <p style="text-align: right;">TOTAL: 120</p>