



Precision Machining A.A.S.

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	STUDENT PROGRESS	
	<u>Grade</u>	<u>Term Completed</u>
Area I—Written Composition: 3		
• ENG 101 - English Composition I 3	_____	_____
Area II—Humanities and Fine Arts: 3		
• Humanities/Fine Arts** 3	_____	_____
Area III—Natural Science or Mathematics: 6		
• INT 104 - Principles of Technology 3	_____	_____
• MTH 100 - Intermediate College Algebra OR numerically higher 3	_____	_____
Area IV—History, Social and Behavioral Sciences: 3		
• Economics, Geography, History, Political Science, Psychology, or Sociology 3	_____	_____
Area V—Technical Courses: 22		
The following courses are required.		
• MTT 107 - Machining Calculations I OR EET 100 - Introduction to Engineering Technologies 3	_____	_____
• MTT 121 - Basic Print Reading for Machinists 3	_____	_____
• MTT 127 - Metrology 3	_____	_____
• MTT 147 - Introduction to Machine Shop I 3	_____	_____
• MTT 148 - Introduction to Machine Shop I Lab 3	_____	_____
• MTT 149 - Introduction to Machine Shop II 3	_____	_____
• MTT 150 - Introduction to Machine Shop II Lab 3	_____	_____
• ORI 101 - Orientation to College 1	_____	_____
Additional Coursework: 36		
• CIS 146 - Microcomputer Applications 3	_____	_____
• MDT 105 - Introduction to Computer-Aided Design (CAD) OR DDT 104 –Basic Computer-Aided Drafting and Design 3	_____	_____
• MTT 108 - Machine Handbook Functions I 3	_____	_____
• MTT 109 - Orientation to Computer Assisted Manufacturing 3	_____	_____
• MTT 123 - Engine Lathe Lab I 3	_____	_____
• MTT 124 - Engine Lathe Lab II 3	_____	_____
• *MTT 128 - Geometric Dimensioning and Tolerancing I 3	_____	_____
• MTT 134 - Lathe Operations I 3	_____	_____
• MTT 137 - Milling I 3	_____	_____
• MTT 138 - Milling I Lab 3	_____	_____
• *MTT 139 - Basic Computer Numerical Control 3	_____	_____



STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
• MTT 140 - Basic Computer Numerical Control Turning Programming I 3	_____	_____
• MTT 141 - Basic Computer Numeric Control Milling Programming I 3	_____	_____
• MTT 154 - Metallurgy 3	_____	_____
• MTT 181 - Special Topics in Machine Tool Technology 3	_____	_____
• MTT 202 - Machine Maintenance and Repair 3	_____	_____
• MTT 219 - Computer Numerical Control Graphics: Turning..... 3	_____	_____
• MTT 220 - Computer Numerical Control Graphics: Milling..... 3	_____	_____
• MTT 221 - Advanced Blueprint Reading for Machinists 3	_____	_____
• MTT 241 - CNC Milling Lab I 3	_____	_____
• MTT 243 - CNC Turning Lab I 3	_____	_____
• MTT 270 – Machining Skills Application 3	_____	_____
• MTT 281 - Special Topics in Machine Tool Technology 3	_____	_____
• MTT 291 - Cooperative Education in Machine Tool Technology 3	_____	_____
• MTT 292 - Cooperative Education in Machine Tool Technology 3	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____

***Required Courses**

Total Hours Required for Degree:..... 73

NOTICE(s): For the A.A.S. Degree in Precision Machining, the student must complete a minimum of 73 credit hours—a minimum of 58 in technical courses and a minimum of 15 in general education courses—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

****Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.