



## Precision Machining A.A.S.

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		<b>STUDENT PROGRESS</b>	
		<u>Grade</u>	<u>Term Completed</u>
<b>Area I—Written Composition:</b> .....	<b>3</b>		
• ENG 101 - English Composition I .....	3		
<b>Area II—Humanities and Fine Arts:</b> .....	<b>3</b>		
• Humanities and Fine Arts Elective** .....	3		
<b>Area III—Natural Science or Mathematics:</b> .....	<b>6</b>		
• INT 104 - Principles of Technology .....	3		
• MTH 100 - Intermediate College Algebra <b>OR</b> numerically higher.....	3		
<b>Area IV—History, Social and Behavioral Sciences:</b> .....	<b>3</b>		
• Economics, Geography, History, Political Science, Psychology, or Sociology.....	3		
<b>Area V—Technical Courses:</b> .....	<b>22</b>		
The following courses are required.			
• MTT 107 - Machining Calculations I <b>OR</b> 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		
<b>Additional Coursework:</b> .....	<b>36</b>		
• CIS 146 - Microcomputer Applications.....	3		
• MDT 105 - Introduction to Computer-Aided Design (CAD) <b>OR</b> 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		

	<b>STUDENT PROGRESS</b>	
	<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.