

## Precision Machining Certificate

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	<b>STUDENT PROGRESS</b>	
	<u>Grade</u>	<u>Term Completed</u>
<b>Area I—Written Composition:</b> ..... 3		
• ENG 101 - English Composition I ..... 3	_____	_____
<b>Area II—Humanities and Fine Arts:</b> ..... 0		
<b>Area III—Natural Science or Mathematics:</b> ..... 3		
• MTH 100 - Intermediate College Algebra <b>OR</b> numerically higher..... 3	_____	_____
<b>Area IV—History, Social and Behavioral Sciences:</b> ..... 0		
<b>Area V—Technical Courses:</b> ..... 40		
• 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 107 - Machining Calculations I ..... 3	_____	_____
• * MTT 121 - Basic Print Reading for Machinists ..... 3	_____	_____
• MTT 123 - Engine Lathe Lab I ..... 3	_____	_____
• MTT 127 - Metrology..... 3	_____	_____
• MTT 128 - Geometric Dimensioning and Tolerancing I..... 3	_____	_____
• MTT 134 - Lathe Operations I..... 3	_____	_____
• MTT 137 - Milling I ..... 3	_____	_____
• * MTT 139 - Basic Computer Numerical Control ..... 3	_____	_____
• MTT 140 - Basic Computer Numerical Control Turning Programming I..... 3	_____	_____
• MTT 141 - Basic Computer Numeric Control Milling Programming I ..... 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	_____	_____
• MTT 154 - Metallurgy..... 3	_____	_____
• MTT 181 - Special Topics in Machine Tool Technology ..... 3	_____	_____
• MTT 221 - Advanced Blueprint Reading for Machinists ..... 3	_____	_____
• MTT 270 – Machining Skills Application ..... 3	_____	_____
• * ORI 101 - Orientation to College ..... 1	_____	_____
• SPH 106 - Fundamentals of Oral Communication ..... 3	_____	_____

**\*Required Courses**

**Total Hours Required for Certificate:** ..... 46

**NOTICE(s):** For the certificate in Precision Machining, the student must complete at least 46 credit hours—at least 40 in technical courses and at least 6 in general education courses. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. 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.