



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:	6		
• SPH 106 - Fundamentals of Oral Communication OR			
SPH 107 - Fundamentals of Public Speaking OR			
SPH 116 - Introduction to Interpersonal Communication	3		
• Humanities and Fine Arts Elective*	3		
Area III—Natural Science or Mathematics:	9		
• MTH 100 - Intermediate College Algebra OR			
numerically higher	3		
• CIS 146 - Microcomputer Applications	3		
• MDT 105 - Introduction to Computer-Aided Design (CAD) OR			
DDT 104 – Basic Computer Aided Drafting and Design OR			
Mathematics, Computer Science, or Natural Science			
Elective	3		
Area IV—History, Social and Behavioral Sciences:	4		
• Economics, Geography, History,			
Political Science, Psychology, or Sociology	3		
• ORI 101 - Orientation to College	1		
Area V—Technical Courses:	24		
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		
• INT 104 - Principles of Technology	3		
Technical Specialty:	27		
• 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	_____	_____

***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 51 in technical courses and a minimum of 22 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:** Courses in basic composition that do not contain a literature component, courses in oral communication (Speech), and introductory foreign language courses are considered skills courses by SACSCOC and may NOT be the one course designated for a humanities/fine arts course.

