

**CNC MACHINIST**

<b>REQUIRED COURSES</b>			<b>CONTACT HOURS 420</b>	<b>CREDIT HOURS 28</b>	
<b>PRE-REQ.</b>	<b>MCC</b>		<b>CONTACT</b>	<b>CREDIT</b>	<b>COMPLETED</b>
<b>MATHEMATICS</b>	<b>COURSE #</b>	<b>COURSE TITLE</b>	<b>HOURS</b>	<b>HOURS</b>	<b>DATE/GRADE</b>
None	ATAM 1150	Shop Arithmetic	30	2	_____
<b>DRAFTING</b>					
None	ATDD 1950	Drafting Essentials	30	2	_____
<b>ADVANCED PROCESSES</b>					
None	ATAP 1030	Feeds, Speeds, and Advanced Tools	30	2	_____
None	ATAP 2010	Drafting - 2D CAD with MasterCAM	30	2	_____
None	ATAP 2310	CNC Mill G&M Programming & CNC Machining	30	2	_____
None	ATAP 2320	CNC Lathe G&M Programming & CNC Machining	30	2	_____
None	ATAP 2330	EDM - RAM - G&M Programming & Machining	30	2	_____
None	ATAP 2340	EDM - WIRE - G&M Programming & Machining	30	2	_____
<b>METAL CRAFT THEORY</b>					
None	ATMT 1150	Machine Tool Lab I	45	3	_____
ATMT 1150	ATMT 1160	Machine Tool Lab II	45	3	_____
None	ATMT 2250	Modern Metal Removal Processes	30	2	_____
ATMT 1210 or 1250	ATMT 2270	Computer Numerical Control Concepts I	30	2	_____
ATMT 2270 or ATAM 2150	ATMT 2280	Computer Numerical Control Concepts II	30	2	_____

In cases where prior training or education is documented, specific courses may be substituted for one or more of the above courses (as conditions warrant) by mutual agreement.

**ELECTIVES**

ATAM 1150	ATAM 1160	Algebra	30	2	_____
ATAM 1160	ATAM 1170	Geometry	30	2	_____
ATAM 1170	ATAM 2150	Trigonometry I	30	2	_____
ATAM 2150	ATAM 2160	Trigonometry II	30	2	_____
ATAM 2150	ATAM 2170	Compound Angles	30	2	_____
None	ATDD 1900	Machine Tool Blueprint Reading	30	2	_____
ATDD 1960 or PRDE 1000	ATDD 1920	Geometric Dimensioning & Tolerancing	30	2	_____
ATMT 1300	ATMT 1310	Characteristics of Non-Ferrous Metals	30	2	_____
ATMT 1300	ATMT 2350	Heat Treatment of Ferrous Alloys	30	2	_____
None	ATMT 1930	Applied Statistical Process Control	30	2	_____
ATAM 2150	ATMT 1950	Physics I: Mechanics	30	2	_____
None	ATMT 1210	Benchwork, Drill Press & Lathe	30	2	_____
None	ATMT 1250	Shapers, Planers, Mills & Grinders	30	2	_____
None	ATMT 1300	Characteristics of Ferrous Metals	30	2	_____
None	ATTR 1150	Technical Report Writing	30	2	_____
None	ATTR 1600	Industrial Safety - Skilled Trades	30	2	_____
ATWD 1110	ATWD 1130	Shielded Metal Arc Welding I	30	2	_____

Approved by: \_\_\_\_\_  
**COMPANY REPRESENTATIVE**

\_\_\_\_\_  
**DATE**

Approved by: \_\_\_\_\_  
**MCC APPRENTICESHIP COORDINATOR**

\_\_\_\_\_  
**DATE**