

CAM TECHNOLOGIST

REQUIRED COURSES				CONTACT HOURS 390	CREDIT HOURS 26	
PRE-REQ.	FORMER MCC COURSE #	NEW MCC COURSE #	COURSE TITLE	CONTACT HOURS	CREDIT HOURS	COMPLETED DATE/GRADE
MATHEMATICS						
ATAM 1170	ATM 215	ATAM 2150	Trigonometry	30	2	_____
ADVANCED PROCESSES						
None		ATAP 2010	Drafting - 2D CAD with MasterCAM	30	2	_____
None		ATAP 2020	Art-to-Part - Digital Art to 3D CNC Machining	30	2	_____
None		ATAP 2030	2D MasterCAM - Mill Programming & Machining	30	2	_____
None		ATAP 2310	CNC Mill & G&M Programming & CNC Machin.	30	2	_____
ATAP 2030		ATAP 2350	3D MasterCAM - Die/Mold CNC Machining	30	2	_____
None		ATAP 2360	3D Cimatron CAD/CAM - Die/Mold Machining	30	2	_____
ATAP 2360		ATAP 2370	3D Computer Aided Mold/Electrode Design	30	2	_____
None		ATAP 2380	Rapid Prototyping & Reverse Engineering	30	2	_____
METAL CRAFT THEORY						
None	ATT 115	ATMT 1150	Machine Tool Lab I	45	3	_____
ATMT 1150	ATT 116	ATMT 1160	Machine Tool Lab II	45	3	_____
None	ATT 175	ATMT 1750	Plastic Product Design & Tooling	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						
None	ATM 115	ATAM 1150	Shop Arithmetic	30	2	_____
ATAM-1150	ATM 116	ATAM 1160	Algebra	30	2	_____
ATAM-1160	ATM 117	ATAM 1170	Geometry	30	2	_____
ATAM-2150	ATM 216	ATAM 2160	Trigonometry II	30	2	_____
ATAM-2150	ATM 217	ATAM 2170	Compound Angles	30	2	_____
None	ATD 190	ATDD 1900	Machine Tool Blueprint Reading	30	2	_____
None	ATD 195	ATDD 1950	Drafting Essentials	30	2	_____
ATDD-1950	ATD 196	ATDD 1960	Conventions & Symbols	30	2	_____
ATDD-1950	ATD 197	ATDD 1970	3-D Shape Interpretation	30	2	_____
ATDD-1960	ATD 198	ATDD 1980	Advanced Techniques	30	2	_____
ATDD-1960 or PRDE 1000	ATD 192	ATDD 1920	Geometric Dimensioning & Tolerancing	30	2	_____
ATDD-1980	ATD 215	ATDD 2150	Tool Detailing and Assembly	30	2	_____
ATDD-2150	ATD 216	ATDD 2160	Tool Detailing & Cam Layout	30	2	_____
ATDD-2150	ATD 217	ATDD 2170	Tool & Gage Design	30	2	_____
None	ATT 121	ATMT 1210	Benchwork, Drill Press & Lathe	30	2	_____
None	ATT 125	ATMT 1250	Shapers, Planers, Mills & Grinders	30	2	_____
ATMT-1250	ATT 225	ATMT 2250	Modern Metal Removal Processes	30	2	_____
ATMT 1210 or 1250 corequisite ATAM 2150	ATT 227	ATMT 2270	Computer Numerical Control Concepts I	30	2	_____
ATMT 2270 or ATAM 2150	ATT 228	ATMT 2280	Computer Numerical Control Concepts II	30	2	_____
None	ATT 130	ATMT 1300	Characteristics of Ferrous Metals	30	2	_____
ATMT-1300	ATT 131	ATMT 1310	Characteristics of Non-Ferrous Metals	30	2	_____
ATMT-1300	ATT 235	ATMT 2350	Heat Treatment of Ferrous Alloys	30	2	_____
ATAM-2150	ATT 195	ATMT 1950	Physics I: Mechanics	30	2	_____
None	ATV 115	ATTR 1150	Technical Report Writing	30	2	_____

Approved by: _____
COMPANY REPRESENTATIVE

DATE

Approved by: _____
MCC APPRENTICESHIP COORDINATOR

DATE