

Cohort #	Harper College Registered Apprenticeship Program Curriculum Map Department of Labor Certificate: CNC Milling and Turning AAS Degree: Manufacturing Technology / Precision Machining				3-Year Program	
Year 1		Year 2		Year 3		
Fall 20XX = 10 credits		Fall 20XX = 9 credits		Fall 20XX = 13 credits		
Semester 1		Semester 3		Semester 5		
MFT 102 Intro to Mfg & Safety	4 cr.	MFT 121 Machining Processes III	3 cr.	SPE 101 Speech (Gen Ed)	3 cr.	
MFT 105 Machining Processes	3 cr.	MFT 132 Dimensional Metrology	3 cr.	MFT 210 Computer Integrated Mfg.	3 cr.	
MTH 097 Technical Math (Gen Ed)	3 cr.	PHI 150 Business Ethics (Gen Ed)	3 cr.	MFT 125 CNC Lathe & Programming	4 cr.	
				WLD 210 Welding II	3 cr.	
Start: August	End: December	Start: August	End: December	Start: August	End: December	
Spring 20XX = 9 credits		Spring 20XX = 9 credits		Spring 20XX = 10 credits		
Semester 2		Semester 4		Semester 6		
MFT 134 Print Reading for Industry	3 cr.	MFT 123 Intro to CNC	3 cr.	MFT 128 CNC Mill & Programming	4 cr.	
MFT 120 Machining Processes II	3 cr.	MFT 140 Quality and Measurement	3 cr.	MFT 220 Computer Aided Mfg.	3 cr.	
ENG 101 English Comp (Gen Ed)	3 cr.	WLD 110 Welding I	3 cr.	PSY 101 Intro to Psychology (Gen Ed)	3 cr.	
Start: January	End: May	Start: January	End: May	Start: January	End: May	

Total Credits: 60