

3-year Program		Harper College Registered Apprenticeship Program Curriculum Map AAS Degree: Advanced Manufacturing / Precision Machining CNC				Aug 2019 – Mar 2022	
Fall 2019 = 11 credits		Fall 2020 = 10 credits		Fall 2021 = 10 credits			
MFT 102 Intro to Mfg & Safety	4 cr.	MFT 125 CNC Lathe & Programming	4 cr.	SPE 101 Speech (Gen Ed)	3 cr.		
MFT 105 Machining Processes	4 cr.	MFT 132 Dimensional Metrology	3 cr.	MFT 210 Computer Integrated Mfg.	4 cr.		
MTH 097 Technical Math (Gen Ed)	3 cr.	ENG 101 English (Gen Ed)	3 cr.	WLD 110 Welding I	3 cr.		
Start: Oct 2019	End 8 wks: Dec 2019	Start: Aug 2020	End 8 wks: Oct 2020	Start: Aug 2021	End 8 wks: Oct 2021		
Spring 2020 = 11 credits		Spring 2021 = 10 credits		Spring 2022 = 9 credits			
MFT 134 Print Reading for Industry	3 cr.	MFT 128 CNC Mill Operation & Programming	4 cr.	MFT 265 Properties of Materials	2 cr.		
MFT 120 Machining Processes II	4 cr.	MFT 140 Quality Assurance	3 cr.	MFT 220 Computer Aided Mfg.	4 cr.		
MFT 123 Intro to CNC Machining	4 cr.	PHI 150 Business Ethics	3 cr.	PSC 270 Global Politics (Gen Ed)	3 cr.		
Start: Jan 2020	End 8 wks: Mar 2020	Start: Jan 2021	End 8 wks: Mar 2021	Start: Jan 2022	End 8 wks: Mar 2022		

2/8/2019

Total Credits earned: 61

This is a SAMPLE only – Courses subject to change

Printing funded 100% by DOL/ETA.