

3-year Program		Harper College Registered Apprenticeship Program Curriculum Map AAS Degree: Manufacturing Technology / Industrial Maintenance Mechanic				Aug 2019- Mar 2022	
Fall 2019 = 9 credits		Fall 2020 = 11 credits		Fall 2021 = 9 credits			
MFT 102 Intro to Mfg & Safety	4 cr.	ELT 110 Introductory Electronics	4 cr.	MFT 123 Intro to CNC Machining	3 cr.		
MFT 104 Quality & Measurement	2 cr.	MFT 105 Machining Processes I	4 cr.	WLD 110 Welding I	3 cr.		
MTH 097 Technical Math (Gen Ed)	3 cr.	SPE 101 Speech (Gen Ed)	3 cr.	ELT 145 Variable Frequency Drives	2 cr.		
Start: Aug 2019	End 8 wks: Oct 2019	Start: Aug 2020	End 8 wks: Oct 2020	Start: Aug 2021	End 8 wks: Oct 2021		
Spring 2020 = 11 credits		Spring 2021 = 9 credits		Spring 2022 = 12 credits			
MFT 108 Manufacturing Processes	3 cr.	ELT 120 Introductory Industrial Electronic Maintenance	2 cr.	ELT 215 Industrial Control Systems	4 cr.		
MFT 109 Intro to Mfg. Maintenance	2 cr.	MFT 120 Machining Processes II	4 cr.	WLD 210 Welding II	3 cr.		
MFT 134 Print Reading for Industry	3 cr.	PHI 150 Business Ethics (Gen Ed)	3 cr.	PSC 270 Global Politics (Gen Ed)	3 cr.		
ENG 101 English (Gen Ed)	3 cr.			ELT 143 Commercial Wiring	2 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

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