

PB	Harper College Registered Apprenticeship Program Curriculum Map AAS Degree: Advanced Manufacturing Technology – Mechatronics/Automation	3 Year Program
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Fall 20XX = 9 credits		Fall 20XX = 10 credits		Fall 20XX = 9 credits	
MFT102 Intro to Mfg & Safety	4 cr.	ELT110 Introductory Electronics	4 cr.	ELT143 Commercial Wiring	2cr.
MFT104 Quality & Measurement	2 cr.	MFT105 Machining Processes I	3 cr.	ELT145 Variable Frequency Drives	2 cr.
MTH097 Technical Math (Gen Ed)	3 cr.	SPE101 Speech (Gen Ed)	3 cr.	WLD110 Welding I	3 cr.
				ELT135 Optics and Sensors	2 cr.

Spring 20XX = 11 credits		Spring 20XX = 10 credits		Spring 20XX = 11 credits	
ELT140 Programmable Logic Controllers (PLCs)	2 cr.	ELT120 Introductory Industrial Electronics Maintenance	2 cr.	ELT215 Industrial Control Systems	4 cr.
MFT109 Intro to Mfg. Maintenance	2 cr.	MFT120 Machining Processes II	3 cr.	ELT240 Advanced PLC's	4 cr.
MFT134 Print Reading for Industry	3 cr.	PHI150 Business Ethics (Gen Ed)	3 cr.	PSC270 Global Politics (Gen Ed)	3 cr.
ENG101 English (Gen Ed)	3 cr.	ELT144 AC & DC Motors	2 cr.		

No Classes Spring Break Week

Total Credits Earned: 60