

Advanced Manufacturing Technician (AMT) Pathway (Approved July 23, 2014)

68 to 71 Hours *NOTE: Classroom days encompass 8 clock hours by College Fac Total Credit Hours Plus Manufacturing Core Exercises*

Semester	AMT Pathway Topic	Mfg Core Exercises (MCE)	Personal Behaviors	Gen Ed	Gen Ed Credit Hours	KCTCS Course Number	KCTCS Course Name	AMT Pathway Credit Hours
1	Introduction to Electricity	Safety Culture	Attendance	MA 116 or MA 126 (3) History (3)	6	IMT 110	Industrial Maintenance Electrical Principles	3
	Fluid Power					IMT 111	Industrial Maintenance Electrical Principles Lab	2
	MCE - Safety Culture					FPX 100	Fluid Power	3
						FPS 101	Fluid Power Lab	2
2	Motor Controls I	Workplace Organization (5S)	Communication	ENG 101 (3)	3	IET 1301	Safety Culture	1
	Maintaining Industrial Equipment					EET 270	Electric Motor Controls I	2
						EET 271	Electric Motor Controls I Lab	2
	MCE - 5S					IMT 150	Maintaining Industrial Equipment I	3
						IMT 151	Maintaining Industrial Equipment I Lab	2
IET 1302	5S	1						
3	Motor Controls II	Lean Manufacturing (TPS)	Diligence	Digital Literacy (0 - 3)	0 to 3	EET 272	Electrical Motor Controls II	2
	PLCs					EET 273	Electrical Motor Controls II Lab	2
						EET 276	PLCs	2
	MCE - TPS Maint					EET 277	PLCs Lab	2
						IET 1303	MCE - Total Production system Maintenance	1
4	Welding & Machining	Problem Solving	Teamwork	Physics (3)	3	IMT 100	Welding for Maintenance	3
	Drawings					IMT 101	Welding for Maintenance Lab	2
						CMM 110	Fundamentals of Machine Tools - A	3
	MCE - PS					BRX 120	Basic Blueprint Reading	3
						IET 1304	MCE - Problem Solving	1
5	System Troubleshooting	Machinery Maintenance & Reliability	Interpersonal Relations & Initiative	COM 181 (3) Social Science (3)	6	IMT 198	Practicum Troubleshooting	2
	Robotics					IMT 289	Industrial Maintenance Technical Capstone	1
	MCE - Maint Rel					IMT 200	Industrial Robotics and Robotics Maintenance	4
						IET 1305	Maintenance Reliability	1