M-CAM Equivalency Matrix - Industry Recoginzed Credentials

WELD205	5 2
WELD205	5 2
WELD113	3 3
WELD115	5 3
+	
	WELD115

Program Area: Production Credential: MSSC												
Modules	Bay Course Credits	Grand Rapids Course Credits	Kellogg Course Credits	Lake Michigan Course Credits	Lansing Course Credits	Macomb Course Credits	Mott Course Credits	Schoolcraft Course Credits				
1 - Safety		TE272 2	NA 1.63		METS102 2 Also requires OSHA 10 Certification	ATTR1600 2 Also requires CPR & OSHA 10 Certification						

Program Area: Machining Credential: NIMS													
Madulas	Bay	Grand Rapids		logg	Lake Mi	•	Lansing		omb		ott		olcraft
Modules	Course Credits	Course Credits	NA	Credits	Course	Lreaits	Course Credits	ATTR 1600 requires	Credits 2	MECH 246	Credits	Course	Credits
1 - Measurement, Materials, & Safety	-		NIA	2.5	MACH 140 MACH 241	4		OSHA 10		& MECH		MFG 102	3
2 - CNC Turning: Operations 3 - CNC Milling: Operations	_		NA NA	2.5		4		ATAP 1050	3	247			
4 - CNC Turning: Programming												MFG 203	3
5 - CNC Turning: Set Up & Operations										MECH 260		5 255	J
6 - CNC Milling: Programming	_											MFG 103	3
7 - CNC Milling: Set Up & Operations													

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	Bay Course Credits			Grand Rapids		.		Lake Michigan		Lansing		Macomb	Mott		Schoo			
Modules			Course Credits		Course Credits		Course Credits		Course Credits		Course Credits	Course Credits		Course Credits				
1 - Fluid Power	ELEC 285	4			NA	2.31	INMT 204 INMT 205 INMT 206	6	METS 125	4		MECH 130	3	ELECT 145	4			
2 - Industrial Electricity I	ELEC 130	4	EL 144	4	NA	7.17	ELEC 100 ELEC 106 ELEC 111	11			15 Credits will be awarded if all 6	ELEC 133 ELEC 139	3 6	ELECT 137 ELECT 138 OSHA 111	5 5 2			
3 - Programmable Logic Controllers (PLC)	ELEC 290	4	EL 164	2	NA	5.15	MANU 120 MANU 123	4			certifications are completed. Courses are the same as Siemens.	certifications are completed. Courses are the same as Siemens.	ELEC 139 ELEC 236	6 6	ELECT 251	4		
4 - Mechanical Compoenents I			EL 162	2	NA	4.88	ENGY 200 ENGY 235	6	METS 110	4			are the same as Siemens. E	are the same as MECH	MECH 120	2	ELECT 218	3
5 - Industrial Electricity II	ELEC 135	4			NA	6.73	ELEC 151 ELEC 152	8						ELEC 139 ELEC 151 ELEC 155	6 3 2	ELECT 139	3	
6 - Motors and Motor Control	ELEC 180	4			NA	2.24	ELEC 151 ELEC 152	8				ELEC 155	2	ELECT 218	3			

Program Area: Mechatronics & Multi-Skill Credential: Siemens												
Modules	Bay Course Credits	Grand Rapids Course Credits	Kellogg Course Credits	Lake Michigan Course Credits	- 1				Mo Course	Ott Credits		
Level 1					ELTE 108	2	MECT 1211	1	ELEC 135	6	ELECT 131	3
					ELTA 120	2	MECT 1212	1	ELEC 139	6	ELECT 137	5
					METS 125	4	MECT 1213	1	ELEC 155	2	ELECT 138	5
					ELTE 131	4	MECT 1214	1	MECH 120	2	ELECT 145	4
					METS 110	4	MECT 1215	1	MECH 120	3	ELECT 251	4
					METS 145	3	MECT 1216	1				
							MECT 1310	3				
							MECT 1320	3				
							MECT 1211	3				

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