

NAME: _____ Student ID Number: _____

**Industrial Maintenance Technology: Advanced Manufacturing Technician
Associate in Applied Science**

Advanced Manufacturing Technician: 470303702					Industrial Maintenance Diploma: 4703034049				
General Education:					General Education:				
ENG	101	Writing I	3	☐	Area I: (Choose ONE)				
MAT	126	Technical Algebra & Trig OR Higher Level Math Course Social / Behavioral Science	3 (3)	☐	Written Communications, Oral Communications, 3 ☐ or Heritage/Humanities				
		Heritage / Humanities	3	☐	Area II (Choose ONE)				
		Physics	3	☐	Technical Math OR Higher Level Math Course 3 ☐				
		Oral Communication	3	☐	Subtotal 6				
Subtotal 18					Technical Courses:				
Technical Courses: *Note: Minimum of 1,824 hours of Industry Sponsored Internship.					IMT	110	IMT Electrical Principles AND	3	☐
IMT	111	IMT Electrical Principles LAB	2	☐	IMT	111	IMT Electrical Principles LAB	2	☐
IMT	150	Maintaining Ind. Equip I AND	3	☐	IMT	150	Maintaining Ind. Equip I AND	3	☐
IMT	151	Maintaining Ind. Equip I Lab	2	☐	IMT	151	Maintaining Ind. Equip I Lab	2	☐
BRX	110	Blueprint Reading for Machinist	2	☐	BRX	110	Blueprint Reading for Machinist	2	☐
IET	201	Electrohydraulics/Pneumatics	6	☐	IET	201	Electrohydraulics/Pneumatics	6	☐
EET	270	Electrical Motor Controls I AND	2	☐	EET	270	Electrical Motor Controls I AND	2	☐
EET	271	Electrical Motor Controls I Lab	2	☐	EET	271	Electrical Motor Controls I Lab	2	☐
IMT	100	Welding for Maintenance AND	3	☐	IMT	100	Welding for Maintenance AND	3	☐
IMT	101	Welding for Maintenance Lab	2	☐	IMT	101	Welding for Maintenance Lab	2	☐
CAD	103	CAD Fundamentals	4	☐	CAD	103	CAD Fundamentals	4	☐
IMT	289	Industrial Maintenance Technology Capstone	1	☐	IMT	289	Industrial Maintenance Technology Capstone	1	☐
Subtotal 32					Subtotal 32				
ELT	260	Robotics and Ind. Automation	5	☐	ELT	260	Robotics and Ind. Automation	5	☐
EET	276	Programmable Logic Controllers AND	2	☐	EET	276	Programmable Logic Controllers AND	2	☐
EET	277	Programmable Logic Controllers Lab	2	☐	EET	277	Programmable Logic Controllers Lab	2	☐
EET	272	Electrical Motor Controls II AND	2	☐	EET	272	Electrical Motor Controls II AND	2	☐
EET	273	Electrical Motor Controls II Lab	2	☐	EET	273	Electrical Motor Controls II Lab	2	☐
CMM	110	Fundamentals of Machine Tool A	3	☐	CMM	110	Fundamentals of Machine Tool A	3	☐
IET	1301	Safety Culture	1	☐	IET	1301	Safety Culture	1	☐
IET	1302	5S	1	☐	IET	1302	5S	1	☐
IET	1303	TPS Maintenance	1	☐	IET	1303	TPS Maintenance	1	☐
IET	1304	Problem Solving	1	☐	IET	1304	Problem Solving	1	☐
IET	1305	Maintenance Reliability	1	☐	IET	1305	Maintenance Reliability	1	☐
Technical Electives Subtotal 22					Technical Electives Subtotal 22				
TOTAL 66-68					TOTAL 66-68				
Technical Elective / Notes:					NOTES:				

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Industrial Maintenance Technology Certificates

Fluid Power Mechanic: 4703033129				
FPX	100	Fluid Power AND	3	☐
FPX	101	Fluid Power Lab OR	2	
MST	200	Adv Hydraulic Systems AND	3	☐
MST	201	Adv Hydraulic Systems Lab OR	2	
MST	204	Adv Pneumatic Systems AND	(3)	
MST	205	Adv Pneumatic Systems Lab	(2)	
Total Credits			8-10	
Industrial Maint Machinists Mechanic: 4703033119				
BRX	120	Basic Blueprint Reading OR	3	☐
BRX	110	Basic Blueprint Reading for Machinist OR	(2)	
BRX	112	Blueprint Reading for Machinist	(4)	
IMT	100	Welding for Maintenance AND	3	☐
IMT	101	Welding for Maintenance Lab OR	2	
WLD	120	Shielded Metal Arc Welding AND	(2)	
WLD	121	Shielded Metal Arc Welding Fillet Lab OR	(3)	
WLD	140	Gas Metal Arc Welding AND	(2)	
WLD	141	Gas Metal Arc Weld Fillet Lab OR	(3)	
WLD	152	Basic Welding B	(5)	
IMT	115	Maintenance Machining I AND	2	☐
IMT	116	Maintenance Machining I Lab OR	5	
CMM	114	Fund of Machine Tools OR	(7)	
CMM	110	Fund of Machine Tools -A AND	(3)	
CMM	112	Fund of Machine Tools -B	(4)	
IMT	150	Maintaining Ind. Equip I AND	3	☐
IMT	151	Maintaining Ind. Equip I Lab	2	
Total Credits			19-21	
Industrial Maint Electrical Mechanic: 4703033159				
FPX	100	Fluid Power AND	3	☐
FPX	101	Fluid Power Lab OR	2	
IMT	110	IMT Electrical Principles AND	3	☐
IMT	111	IMT Electrical Principles LAB OR	2	
ELT	110	Circuits I	(5)	
EET	270	Electrical Motor Controls I AND	(2)	☐
EET	271	Electrical Motor Controls I Lab OR	(2)	
EET	264	Rotating Machinery AND	(2)	
EET	265	Rotating Machinery Lab OR	(2)	
EET	276	Programmable Logic Controllers AND	(2)	
EET	277	Programmable Logic Controllers Lab	(2)	
Total Credits			14	
Welder Helper: 4805083129				
IMT	100	Welding for Maintenance AND	2	
IMT	101	Welding for Maintenance Lab OR	5	

Industrial Maintenance Mechanic Level I: 4703033139				
IMT	110	IMT Electrical Principles AND	3	☐
IMT	111	IMT Electrical Principles LAB OR	2	
ELT	110	Circuits I	(5)	
IMT	150	Maintaining Ind. Equip I AND	3	☐
IMT	151	Maintaining Ind. Equip I Lab	2	
FPX	100	Fluid Power AND	3	☐
FPX	101	Fluid Power Lab OR	2	
Total Credits			15	
Industrial Maintenance Mechanic Level II: 4703033149				
BRX	120	Basic Blueprint Reading OR	3	☐
BRX	110	Basic Blueprint Reading for Machinist OR	(2)	
BRX	112	Blueprint Reading for Machinist	(4)	
IMT	100	Welding for Maintenance AND	3	☐
IMT	101	Welding for Maintenance Lab OR	2	
WLD	120	Shielded Metal Arc Welding AND	(2)	
WLD	121	Shielded Metal Arc Welding Fillet Lab OR	(3)	
WLD	140	Gas Metal Arc Welding AND	(2)	
WLD	141	Gas Metal Arc Weld Fillet Lab OR	(3)	
WLD	152	Basic Welding B	(5)	
IMT	115	Maintenance Machining I AND	2	☐
IMT	116	Maintenance Machining I Lab OR	5	
CMM	114	Fund of Machine Tools OR	(7)	
CMM	110	Fund of Machine Tools -A AND	(3)	
CMM	112	Fund of Machine Tools -B	(4)	
IMT	110	IMT Electrical Principles AND	3	☐
IMT	111	IMT Electrical Principles LAB OR	2	
ELT	110	Circuits I	(5)	
FPX	100	Fluid Power AND	3	☐
FPX	101	Fluid Power Lab OR	2	
Total Credits			22-26	
Industrial Maintenance Robotics Technician: 4703033239				
IMT	110	IMT Electrical Principles AND	3	☐
IMT	111	IMT Electrical Principles LAB OR	2	
ELT	110	Circuits I	(5)	
FPX	100	Fluid Power AND	3	☐
FPX	101	Fluid Power Lab OR	2	
EET	270	Electrical Motor Controls I AND	2	☐
EET	271	Electrical Motor Controls I Lab OR	2	
IMT	150	Maintaining Ind. Equip I AND	3	☐
IMT	151	Maintaining Ind. Equip I Lab	2	
EET	276	Programmable Logic Controllers AND	2	☐
EET	277	Programmable Logic Controllers Lab	2	
IMT	200	IMT Robotics and Robotic Maint	4	☐
Total Credits			26	