



## Mechatronics - Academic Planner

Associate of Applied Science Degree: 10-620-2

Campus: Fond du Lac

Curriculum for 2015-2016

12/1/2014

Program Advisor: \_\_\_\_\_

✓	Course			Title	Hours / Week			Total		Prerequisites and/or Corequisites	Typically Offered			Comments
	T/G	Subj	Num		Lec	Lab	Other	Hours	Credits		S	F	SP	
<b>Term 1:</b>											<b>S</b>	<b>F</b>	<b>SP</b>	
<b>New Program Students: Attend New Student Orientation and your Priority Registration Session</b>														
		103	159	**Computer Literacy - Microsoft Office		2		36	1		x	x	x	**Institutional Requirement. May be eligible for Advanced Standing.
	T	620	101	DC Circuits	2	2		72	3	Completion of or concurrent enrollment in 804-113 College Technical Mathematics 1A		x		
	T	620	102	AC Circuits	2	2		72	3	Completion of or concurrent enrollment in 620-101 DC Circuits; 890-101 College 101		x		
	G	801	136	English Composition 1	3			54	3		x	x	x	
	G	804	113	College Technical Mathematics 1A	3			54	3		x	x	x	
	G	804	114	College Technical Mathematics 1B	2			36	2	Completion of or concurrent enrollment in 804-113 College Technical Mathematics 1A	x	x	x	
		890	101	**College 101	2			36	2		x	x	x	**Institutional Requirement
<b>Total 1st Term Credits</b>								<b>17</b>						
<b>Term 2:</b>											<b>S</b>	<b>F</b>	<b>SP</b>	
	T	620	103	Semiconductor Devices	2	2		72	3	620-102 AC Circuits; 804-114 College Technical Mathematics 1B Completion of or concurrent enrollment in 103-159 Computer Literacy - Microsoft Office; 890-101 College 101			x	
	T	620	104	Digital Electronics	2	2		72	3	Completion of or concurrent enrollment in 620-103 Semiconductor Devices;				x
	T	620	115	AC-DC Machinery	2	4		108	4	804-116 College Technical Mathematics 2				x
	G	804	116	College Technical Mathematics 2	4			72	4	620-102 AC Circuits				x
	G	809	199	Psychology of Human Relations (or)	3			54	3	804-114 College Technical Mathematics 1B	x	x	x	
	G	809	198	Introduction to Psychology							x	x	x	
<b>Total 2nd Term Credits</b>								<b>17</b>						

✓	Course			Hours / Week			Total		Prerequisites and/or Corequisites	Typically Offered			Comments		
	T/G	Subj	Num	Lec	Lab	Other	Hours	Credits		S	F	SP			
<b>Term 3:</b>															
	T	620	105	Industrial Hydraulics and Pneumatics 1			1	2		54	2		x		
	T	620	110	Integrated Manufacturing Planning - Mechatronics*			0	4		72	2		x		
	T	620	133	Data Acquisition Control			2	2		72	3		x		
	T	620	135	Basic PLC			2	2		72	3		x		
	T	620	150	PC Interfacing and Communications			2	2		72	3		x		
	G	806	137	Comprehensive Technical Physics			3	2		90	4		x	x	
				Total 3rd Term Credits											
				<b>Term 4:</b>									S	F	SP
				<b>Apply for Graduation when completing Term 4 registration</b>											
	T	620	111	Integrated Manufacturing Production - Mechatronics*			0	4		72	2			x	
	T	620	136	Advanced PLC			2	2		72	3			x	
	T	620	146	Modern Controls			2	2		72	3			x	
	T	620	151	Robotics			2	2		72	3			x	
	G	801	197	Technical Reporting			3			54	3			x	
	G	809	166	Introduction to Ethics: Theory and Application			3			54	3		x	x	x
				Total 4th Term Credits											
				<b>Total Program Credits and Institutional Requirements</b>											
				<b>**The credits for 103-159 Computer Literacy-Microsoft Office and 890-101 College 101 are Institutional Requirements for graduation. Consequently, they are not part of the program credit requirements.</b>											
				<b>*Successful completion of course 620-110 and 620-111 is the exit assessment graduation requirement for the program.</b>											

T/G: T - Technical Studies course; G - General Studies course

Semester Codes: S-Summer; F-Fall; SP-Spring

Curriculum and program acceptance requirements are subject to change.

If Student Success Center or General College courses (ie: 831-103 Introduction to College Writing, 838-105 Introduction to Reading and Study Skills, 834-109 Pre-Algebra) are required based on college placement; or if the student elects part-time enrollment, the time required to complete the program will increase.

For a complete list of course descriptions for this program, please consult the College Catalog at <http://www.morainepark.edu/MPTCCatalog>.

Suggested Elective: \_\_\_\_\_

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