



## Mechatronics - Academic Planner

Associate of Applied Science Degree: 10-620-2

Campus: Fond du Lac

Curriculum for 2014-2015

2/1/2014

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

✓	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 1:</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
Total 1st Term Credits													17
<b>Term 2:</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	1	2		54	2	Completion of or concurrent enrollment in 620-103 Semiconductor Devices; 804-116 College Technical Mathematics 2				x
	T	620 115	AC-DC Machinery	2	4		108	4	620-102 AC Circuits				x
	G	804 116	College Technical Mathematics 2	4			72	4	804-114 College Technical Mathematics 1B	x	x	x	
	G	809 166	Introduction to Ethics: Theory and Application	3			54	3	801-136 English Composition 1	x	x	x	
	G	809 199	Psychology of Human Relations (or)	3			54	3		x	x	x	
	G	809 198	Introduction to Psychology							x	x	x	
Total 2nd Term Credits													19

✓	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							17			
<b>Term 4:</b>														
<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	4		108	4		x	
	T	620	151	Robotics			2	2		72	3		x	
	G	801	197	Technical Reporting			3			54	3		x	
				Total 4th Term Credits							15			
				Total Program Credits and Institutional Requirements							68			
**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.														
*Successful completion of course 620-110 and 620-111 is the exit assessment graduation requirement for the program.														

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 Intro to College Writing, 838-104 Intro to College Reading, 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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