



## Mechatronics - Academic Planner

Associate of Applied Science Degree: 10-620-2

Campus: Fond du Lac

Curriculum for 2013-2014

10/29/2012

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

Entrance Assessment Scores	ACT	Accuplacer
Assessment Areas		
English/Sentence Skills	16	76
Reading/Reading Comprehension	16	67
Math/Arithmetic	18	79

✓	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>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 Math 1A			3		54	3	x	x	x			
G	804	114	College Technical Math 1B			2		36	2	Completion of or concurrent enrollment in 804-113 College Technical Math 1A			x	x	x
		890	101	**College 101			2		36	2	x	x	x	**Institutional Requirement	
Total 1st Term Credits									<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 Math 1B Completion of or concurrent enrollment in 103-159 Computer Literacy - Microsoft Office;			x		
T	620	104	Digital Electronics			1	2	54	2	Completion of or concurrent enrollment in 620-103 Semiconductor Devices and 804-116 College Technical Math 2				x	
T	620	115	AC-DC Machinery			2	4	108	4	620-102 AC Circuits				x	
G	804	116	College Technical Math 2			4		72	4	804-114 College Technical Math 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									<b>19</b>						

✓	T/G	Course		Hours / Week			Total		Prerequisites and/or Corequisites	Typically Offered			Comments
		Subj	Num	Lec	Lab	Other	Hours	Credits		S	F	SP	
<b>Term 3:</b>										S	F	SP	
	T	620	105	Industrial Hydraulics and Pneumatics 1	1	2		54	2		x		
	T	620	110	Integrated Manufacturing Planning - Mechatronics*	0	4		72	2	620-103 Semiconductor Devices; Completion of or concurrent enrollment in 620-104 Digital Electronics		x	
	T	620	133	Mechatronics Controls	2	2		72	3	620-115 AC/DC Machinery; Completion of or concurrent enrollment in 620-104 Digital Electronics		x	
	T	620	135	Programmable Controllers	2	2		72	3			x	
	T	620	150	PC Interfacing and Communications	2	2		72	3	Completion of or concurrent enrollment in 620-104 Digital Electronics		x	
	G	806	137	Comprehensive Technical Physics	3	2		90	4	804-107 College Mathematics or 804-114 College Technical Math 1B		x	x
Total 3rd Term Credits									17				
<b>Term 4:</b>										S	F	SP	
<b>Apply for Graduation (which includes a \$30 graduation fee)</b>													
	T	620	111	Integrated Manufacturing Production - Mechatronics*	0	4		72	2	620-110 Integrated Manufacturing Planning - Mechatronics		x	
	T	620	136	Advanced Programmable Controllers	2	2		72	3	620-135 Programmable Controllers		x	
	T	620	146	Control Logics	2	4		108	4	Completion of or concurrent enrollment in 620-136 Advanced Programmable Controllers and 620-151 Servomechanisms		x	
	T	620	151	Servomechanisms	2	2		72	3	620-133 Mechatronics Controls; 806-137 Comprehensive Technical Physics		x	
	G	801	197	Technical Reporting	3			54	3	801-136 English Composition 1		x	
Total 4th Term Credits									15				
<b>Total Program Credits and Institutional Requirements</b>									68				
<b>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 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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