



Mechatronics - Academic Planner

Associate of Applied Science Degree: 10-620-2

Campus: Fond du Lac

Curriculum for 2012-2013

10/24/2011

Program Advisor: _____

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

✓	T/G	Course		Title	Hours / Week			Total Hours	Credits	Prerequisites and/or Corequisites	Typically Offered			Comments	
		Subj	Num		Lec	Lab	Other				S	F	SP		
Institutional Requirements:											S	F	SP		
		890	125	Student Success - take 1st term								x	x	x	
		103	159	Computer Literacy - Advanced Standing or take 1st term								x	x	x	
		890	130	Career Development - take 3rd term								x	x	x	
Term 1:											S	F	SP		
New Program Students: Attend New Student Orientation and your Priority Registration Session															
	T	620	101	DC Circuits	2	2		72	3	Concurrent enrollment in 804-113 College Technical Mathematics 1A			x		
	T	620	102	AC Circuits	2	2		72	3	620-101 DC Circuits; Completion of or concurrent enrollment in 804-114 College Technical Mathematics 1B			x		
	G	801	195	Written Communication	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		
Total 1st Term Credits															
Term 2:											S	F	SP		
	T	620	103	Semiconductor Devices	2	2		72	3	620-102 AC Circuits				x	
	T	620	105	Industrial Hydraulics and Pneumatics 1	1	2		54	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	Intro to Ethics: Theory & Application	3			54	3	801-195 Written Communication	x	x	x		
	G	809	199	Psychology of Human Relations (or)	3			54	3		x	x	x		
	G	809	198	Intro to Psychology							x	x	x		
Total 2nd Term Credits															

✓	T/G	Course		Title	Hours / Week			Total Hours	Credits	Prerequisites and/or Corequisites	Typically Offered			Comments
		Subj	Num		Lec	Lab	Other				S	F	SP	
Term 3:											S	F	SP	
	T	620	104	Digital Electronics	1	2		54	2	620-103 Semiconductor Devices; 804-116 College Technical Math 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	Completion of or concurrent enrollment in 620-104 Digital Electronics		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					
Term 4:											S	F	SP	
				Apply for Graduation (which includes a \$30 graduation fee)										
	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 620-151 Servomechanisms; 620-136 Advanced Programmable Controllers			x	
	T	620	151	Servomechanisms	2	2		72	3	806-137 Comprehensive Technical Physics; 620-133 Mechatronics Controls			x	
	G	801	197	Technical Reporting	3			54	3	801-195 Written Communication			x	
				Total 4th Term Credits					15					
				Additional Credits of Electives Required					3					
				Total Program Credits					68					
*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: _____

Suggested Elective: _____