Mechanical Design Technology - Academic Planner

Associate of Applied Science Degree: 10-606-1

Campus: Fond du Lac (Day & Part-time Evening); Some courses available at the West Bend campus

Curriculum for 2014-2015

2/1/2014

Program Advisor: _____

✓	T/G	Course Subj	Num	Title	Hours / Week Lec	Lab	Other	Total Hours	Credits	Prerequisites and/or Corequisites	Typically Offered S	F	SP	Comments
				Term 1:							**S**	**F**	**SP**	
				New Program Students: Attend New Student Orientation and your Priority Registration Session										
		103	159	**Computer Literacy - Microsoft Office		2		36	1		x	x	x	**Institutional Requirement. May be eligible for Advanced Standing.
	T	606	176	CAD 2-D, AutoCAD	2	2		72	3			x	x	No previous computer experience is required, but a background in fundamental blueprint reading and/or drafting skills is recommended.
	T	617	114	CAD 3-D, SolidWorks	2	2		72	3		x	x	x	Previous drafting experience or course and previous work on computers (Microsoft products such as Word, Excel, etc.) is recommended.
	T	623	162	Manufacturing Processes	2	2		72	3			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**					
				Term 2:							**S**	**F**	**SP**	
	T	606	116	Machine Elements	3			54	3	Completion of or concurrent enrollment in 804-116 College Technical Mathematics 2			x	
	T	606	132	Materials of Industry	3			54	3	Completion of or concurrent enrollment in 103-159 Computer Literacy - Microsoft Office; 890-101 College 101			x	
	T	617	115	Jig and Fixture Design	1	4		90	3	617-114 CAD 3-D, SolidWorks		x	x	
	G	801	136	English Composition 1	3			54	3		x	x	x	
	G	804	116	College Technical Mathematics 2	4			72	4	804-114 College Technical Mathematics 1B	x	x	x	
	G	809	195	Economics	3			54	3	801-136 English Composition 1	x	x	x	
				Total 2nd Term Credits					**19**					

				Term 3:							S	F	SP	
T	606	107	Component Design	1	6		126	4	606-132 Materials of Industry; 617-115 Jig and Fixture Design		x	x	
T	606	112	Integrated Manufacturing Planning - Mechanical Design		4		72	2	Completion of or concurrent enrollment in 606-107 Component Design		x		It is recommended that the student take 606-111 Integrated Manufacturing Production-Mechanical Design in the semester after this course.
T	606	128	Design Statics	3			54	3	Completion of or concurrent enrollment in 804-116 College Technical Mathematics 2		x		
T	623	196	Geometric Dimensioning and Tolerancing	2	2		72	3	804-113 College Technical Mathematics 1A		x		A print reading background is recommended.
G	801	196	Oral and Interpersonal Communication **(or)**	3			54	3		x	x	x	
G	801	197	Technical Reporting						801-136 English Composition 1		x	x	
G	809	166	Introduction to Ethics: Theory and Application	3			54	3	801-136 English Composition 1	x	x	x	
			Total 3rd Term Credits					**18**					
			Term 4:							**S**	**F**	**SP**	
			Apply for Graduation when completing Term 4 registration.										
T	606	111	Integrated Manufacturing Production - Mechanical Design		4		72	2	606-112 Integrated Manufacturing Planning-Mechanical Design			x	It is recommended that the student take this course in the semester after they take 606-112 Integrated Manufacturing Planning- Mechanical Design
T	606	125	Product Design*	1	6		126	4	606-107 Component Design; 606-116 Machine Elements; Completion or concurrent enrollment in 606-130 Strength of Materials			x	
T	606	130	Strength of Materials	2	2		72	3	606-128 Design Statics			x	
T	617	149	Tool Design	1	6		126	4	617-114 CAD 3-D, SolidWorks; 617-115 Jig and Fixture Design			x	
G	809	198	Introduction to Psychology **(or)**	3			54	3		x	x	x	
G	809	199	Psychology of Human Relations							x	x	x	
			Total 4th Term Credits					**16**					
			Additional Credits of Electives Required					3					
			Total Program Credits and Institutional Requirements					**73**					
			****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.**										
			***A comprehensive project is the required exit assessment for this 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

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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