



Mechanical Design Technology - Academic Planner

Associate of Applied Science Degree: 10-606-1

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

Curriculum for 2012-2013

5/2/2012

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	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. Previous drafting experience or course and previous work on computers (Microsoft products such as Word, Excel, etc.) is recommended.	
	T	617	114	CAD 3-D, SolidWorks			2	2		72	3	x	x	x		
	T	623	162	Manufacturing Processes			2	2		72	3		x	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														17		
Term 2:											S	F	SP			
	T	606	104	Engineering Materials			2			36	2			x		
	T	606	116	Machine Elements			3			54	3	Completion of or concurrent enrollment in 804-116 College Technical Mathematics 2			x	
	T	617	115	Jig & Fixture Design			1	4		90	3	Completion of or concurrent enrollment in 617-114 CAD 3-D, SolidWorks		x	x	
	G	801	196	Oral & Interpersonal Communication (or)			3			54	3	x	x	x		
	G	801	197	Technical Reporting								801-195 Written Communication		x	x	
	G	804	116	College Technical Math 2			4			72	4	804-114 College Technical Math 1B		x	x	x
	G	809	195	Economics			3			54	3	801-195 Written Communication		x	x	x
Total 2nd Term Credits														18		

✓	Course			Title	Hours / Week			Total Hours	Credits	Prerequisites and/or Corequisites	Typically Offered			Comments
	T/G	Subj	Num		Lec	Lab	Other				S	F	SP	
Term 3:											S	F	SP	
	T	606	112	Integrated Mfg Planning - Mech Design		4		72	2	606-107 Component Design or Completion of or concurrent enrollment in 606-114 Design of Components		x		It is recommended that the student take 606-111 Integrated Mfg Production-Mechanical Design in the semester after this course.
	T	606	114	Design of Components	1	4		90	3	606-104 Engineering Materials; 617-115 Jig and Fixture Design; Completion of or concurrent enrollment in 617-146 Die Design 1		x	x	
	T	606	128	Design Statics	3			54	3	Completion of or concurrent enrollment in 804-116 College Technical Mathematics 2		x		
	T	617	146	Die Design 1	1	4		90	3	617-114 CAD 3-D, SolidWorks; 617-115 Jig & Fixture Design		x		First offering Spring 2013 (evening)
	T	623	196	Geometric Dimensioning and Tolerancing	2	2		72	3	804-113 College Technical Math 1A		x		A print reading background is recommended.
	G	809	166	Intro to Ethics: Theory & Application	3			54	3	801-195 Written Communication	x	x	x	
				Total 3rd Term Credits					17					
Term 4:											S	F	SP	
Apply for Graduation (which includes a \$30 graduation fee)														
	T	606	111	Integrated Mfg Production - Mech 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 Mfg Planning- Mechanical Design
	T	606	125	Product Design*	1	6		126	4	606-107 Component Design or 606-114 Design of Components; 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	151	Mold Design 1	1	4		90	3	617-114 CAD 3-D, SolidWorks; 617-115 Jig & Fixture Design			x	First offering Spring 2013 (evening)
	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					15					
				Additional Credits of Electives Required					3					
				Total Program Credits					70					
*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 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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