



Mechanical Design Technology - Academic Planner

Associate of Applied Science Degree: 10-606-1

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

Curriculum for 2013-2014

12/6/2012

Program Advisor: _____

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

✓	Course		Title	Hours / Week			Total Hours	Credits	Prerequisites and/or Corequisites	Typically Offered			Comments
	T/G	Subj Num		Lec	Lab	Other				S	F	SP	
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 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								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	103-159 Computer Literacy; 890-101 College 101			x	
T	617	115	Jig and Fixture Design	1	4		90	3	Completion of or concurrent enrollment in 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 Math 2	4			72	4	804-114 College Technical Math 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		x	x	
T	606	112	Integrated Manufacturing Planning - Mechanical Design		4	72	2		x		It is recommended that the student take 606-111 Integrated Mfg Production-Mechanical Design in the semester after this course.
T	606	128	Design Statics	3		54	3		x		
T	623	196	Geometric Dimensioning and Tolerancing	2	2	72	3		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						x	x	
G	809	166	Introduction to Ethics: Theory and Application	3		54	3	x	x	x	
Total 3rd Term Credits							18				
Term 4:								S	F	SP	
Apply for Graduation (which includes a \$30 graduation fee)											
T	606	111	Integrated Manufacturing Production - Mechanical Design		4	72	2			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			x	
T	606	130	Strength of Materials	2	2	72	3			x	
T	617	149	Tool Design	1	6	126	4				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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