



## Mechanical Design Technology - Academic Planner

Associate of Applied Science Degree: 10-606-1

Campus: Fond du Lac (Day & Part-time Evening); most courses available at the West Bend campus  
Curriculum for 2016-2017

12/1/2015

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

✓	Course		Hours / Week			Total	Credits	Prerequisites and/or Corequisites	Typically Offered			Comments		
	T/G	Subj Num	Lec	Lab	Other	Hours			S	F	SP			
<b>Term 1:</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	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					<b>17</b>						
<b>Term 2:</b>														
	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 and 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	809 198	Introduction to Psychology (or)	3			54	3			x	x	x	
	G	809 199	Psychology of Human Relations								x	x	x	
			Total 2nd Term Credits					<b>19</b>						

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	2	2	72	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
<b>Apply for Graduation when completing Term 4 registration.</b>												
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	195	Economics	3		54	3	801-136 English Composition 1	x	x	x	
Total 4th Term Credits							16					
Additional Credits of Electives Required							3					
<b>Total Program Credits and Institutional Requirements</b>							<b>73</b>					
<b>**The credits for 103-159 Computer Literacy-Microsoft Office and 890-101 College 101 are Institutional Requirements for graduation.</b>												
<b>*Completion of a comprehensive project in 606-125 Product Design is the exit assessment graduation requirement for this 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 Introduction to College Writing, 838-105 Introduction to Reading and Study Skills, 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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