



# Engine Research & Development Technician - Academic Planner

Associate of Applied Science Degree: 10-606-5

Campus: Fond du Lac

Curriculum for 2010-2011

10/16/2009 (rev 2/16/10)

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		Hours / Week			Total Hours	Credits	Prerequisites and/or Corequisites	Typically Offered			Comments	
		Subj	Num	Lec	Lab	Other				S	F	SP		
<b>Institutional Requirements:</b>										<b>S</b>	<b>F</b>	<b>SP</b>		
		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		
<b>Term 1:</b>										<b>S</b>	<b>F</b>	<b>SP</b>		
<b>New Program Students: Attend New Student Orientation and your Priority Registration Session</b>														
	T	106	138	Computer Essentials			2		36	2		x	x	x
	T	606	150	Electronics and Instrumentation			2	2	72	3			x	
	T	606	164	Engine Fundamentals			1	4	90	3			x	
	T	606	167	Engine Development and Design			2		36	2	Completion of or concurrent enrollment in 606-164 Engine Fundamentals			
	T	623	162	Manufacturing Processes			2	2	72	3			x	
	G	804	113	College Technical Math 1A			3		54	3		x	x	x
Total 1st Term Credits										<b>16</b>				
<b>Term 2:</b>										<b>S</b>	<b>F</b>	<b>SP</b>		
	T	606	155	Ignition Fuels and Combustion			3	2	90	4	606-150 Electronics and Instrumentation; 606-167 Engine Development and Design			
	G	801	195	Written Communication			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			
	G	809	166	Intro to Ethics: Theory & Application			3		54	3			x	x
Total 2nd Term Credits										<b>12</b>				

✓	Course			Title	Hours / Week			Total Hours	Credits	Prerequisites and/or Corequisites	Typically Offered			Comments
	T/G	Subj	Num		Lec	Lab	Other				S	F	SP	
<b>Term 3:</b>														
	T	606	168	*Engine Testing and Testing Equipment	2	6		144	5	606-155 Ignition Fuels and Combustion		x		
	T	628	135	Principles of Machining	1	2		54	2	623-162 Manufacturing Processes		x		
	G	801	196	Oral/Interpersonal Communication	3			54	3		x	x	x	
	G	801	197	Technical Reporting						801-195 Written Communication		x	x	
	G	806	137	Comprehensive Technical Physics	3	2		90	4	804-114 College Technical Math 1B		x	x	
	G	809	195	Economics	3			54	3	801-195 Written Communication	x	x	x	
<b>Total 3rd Term Credits</b>									<b>17</b>					
<b>Term 4:</b>														
<b>Apply for Graduation</b>														
	T	606	169	Engine Emission Testing and Controls	2	2		72	3	606-168 Engine Testing & Testing Equipment			x	
	T	606	173	*Engine Problems	1	4		90	3	606-168 Engine Testing & Testing Equipment			x	
	T	606	174	Transmission of Power	2	2		72	3				x	
	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.
	G	809	199	Psychology of Human Relations (or)	3			54	3		x	x	x	
	G	809	198	Intro to Psychology							x	x	x	
<b>Total 4th Term Credits</b>									<b>15</b>					
Additional Credits of Electives Required									3					
<b>Total Program Credits</b>									<b>63</b>					
<b>*Capstone projects are an exit assessment graduation requirement for the 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 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 [www.morainepark.edu/MPTCCatalog](http://www.morainepark.edu/MPTCCatalog).

Suggested Elective: \_\_\_\_\_

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