



Engine Research & Development Technician - Academic Planner

Associate of Applied Science Degree: 10-606-5

Campus: Fond du Lac

Curriculum for 2011-12

10/27/2010

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		Prerequisites and/or Corequisites	Typically Offered			Comments	
		Subj	Num		Lec	Lab	Other	Hours	Credits		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	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			x		
	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									16						
Term 2:											S	F	SP		
	T	606	155	Ignition Fuels and Combustion		3	2		90	4	606-150 Electronics and Instrumentation; 606-167 Engine Development and Design			x	
	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	x	x	x	
	G	809	166	Intro to Ethics: Theory & Application		3			54	3			x	x	
Total 2nd Term Credits									12						

✓	Course		Title	Hours / Week			Total		Prerequisites and/or Corequisites	Typically Offered			Comments
	T/G	Subj Num		Lec	Lab	Other	Hours	Credits		S	F	SP	
Term 3:										S	F	SP	
	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 (or)	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	804-107 College Mathematics or 804-114 College Technical Math 1B		x	x	
	G	809 195	Economics	3			54	3	801-195 Written Communication	x	x	x	
Total 3rd Term Credits								17					
Term 4:										S	F	SP	
Apply for Graduation													
	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	
Total 4th Term Credits								15					
Additional Credits of Electives Required								3					
Total Program Credits								63					
*Capstone projects are an exit assessment graduation requirement for the 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 www.morainepark.edu/MPTCCatalog.

Suggested Elective: _____

Suggested Elective: _____