Student Name		THE UNIVERSITY OF A	I dii 2012
CWID		Curriculum for Mechanical En	128 Semester Hours
Freshman Year 31	Sophomore Year 64	Junior Year 95	Senior Year 128
15 Credit Hours 16 Credit Hours	18 Credit Hours 15 Credit Hours	16 Credit Hours 15 Credit Hours	18 Credit Hours 15 Credit Hours
* CH 101 General Chemistry 1 Lab Included * Social and Behavioral Sciences	Approved Science Elective MTE 271 Engineering Materials 1	AEM 250 Mechanics of Materials 1 AEM 251 Mechanics of	ME 489 Mechanical Engineering Design 1 & Projects Lab Students must be
ENGR 111 Engineering the Future PH 105 General Physics with Calculus 1 Lab Included * MATH 125	PH 106 General Physics with Calculus 2 Lab Included MATH 238 Applied Differential Equations 1	Materials Lab ME 350 Static Machine Components Humanities	within 33 hours of graduation ME 450 Dynamic Machine
Calculus 1		ME 360 Control and Instrumentation	Components * 3 Technical Elective
* ME 121 Introduction to Mechanical Engineering MATH 126 Calculus 2	MATH 227 Galculus 3	ECE 320 Fundamentals of Electrical Engineering Components Lab Included Writing Core Course	Thermal Systems Instrumentation Lab Included Writing Core Course Any M.E. elective or 300-400 level Engineering, Math, or Science course by advanced petition.
* ENGR 131 Engineering Concepts 1 ENGR 141	AEM 201 Statics AEM 264 Dynamics	ME 349 ME 372 Dynamic Systems Computer Computer Computer	ME 415 ② Energy Systems Design OR ME 407 ③ ME 407
* ENGR 151 Fundamental Graphics * ENGR 161 Engineering Graphics	AEM 311 Fluid Mechanics	Core Course ME 309 Mechanical	# 6 /* 6
EN 101 English Composition 1 EN 102 English Composition 2	ME 215 Thermodynamics 1 ME 305 Thermodynamics 2	Heat Transfer Engineering	Social and Behavioral Sciences Sciences Social and Behavioral Sciences Humanities Humanities
 Prerequisites not shown Prerequisite Corequisite Key: 	Required	thematics Natural Science Humanities Social and Behavioral Sciences	All 4 of these courses are required, and must include one 2-course In-Depth Study series. Updated 10/24/2012