

BME Degree Requirements for Aerospace Concentration Students Entering 2011 (RED)

COURSE#	COURSE TITLE	FALL	SPRING
FIRST YEAR			
MEE 101/101	Introduction to Mechanical Engineering	0	0
EGR 103	Engineering Innovation	2	
CHM 123/123L	General Chemistry/Chemistry Lab	3/1	
ENG 101/102	English Composition I, II (or ENG 114 one semester)	3	3
HST 103	History – West and World	3	
MTH 168/169	Analytic Geometry & Calculus I, II	4	4
MEE 104L	Computer Graphics I	1	
PHY 206	General Physics I	3	
PHL 103	Introduction to Philosophy	3	
REL 103	Introduction to Religion	3	
CMM 11_	Communication Module	1	
EGR100/100	Enrichment Workshop	0	0
(fall and spring placement may vary but all courses are to be taken)		34	
SECOND YEAR			
	General Education Requirement	3	
MEE 227L	Computer Graphics II	1	
EGR 201	Mechanics I	3	
MTH 218	Analytic Geometry & Calculus III	4	
EGR 202	Thermodynamics I	3	
MEE 225	Intro to Flight	3	
MEE 200/200	Professional Development Seminar	0	0
PHY 207	General Physics II		3
CMM 11_	Communication Module		1
MTH 219	Applied Differential Equations		3
EGM 202	Dynamics		3
EGM 303	Mechanics II		3
MEE 308	Fluid Mechanics		<u>3</u>
		<u>17</u>	<u>16</u>
THIRD YEAR			
EGR 203	Electrical and Electronic Circuits	3	
ECE 201L	Circuits Analysis Laboratory	1	
CMM 11_	Communication Module	1	
MEE 314	Computational Methods	3	
MEE 409	Aerospace Structures	3	
MEE 413	Propulsion	3	
	General Education Requirement	3	
MEE 415	Professional Development Seminar I	0	0
Math/Science Elec	Advisor Approval		3
MEE 312/312L	Engineering Materials I and Lab		3/1
MEE 321	Theory of Machines		3
MEE 401	Aerodynamics		3
MEE 410/410L	Transfer & Thermo Fluids Lab		<u>3/1</u>
		<u>17</u>	<u>17</u>
FOURTH YEAR			
MEE 341	Engineering Experimentation	3	
MEE 425	Aerospace Design	3	
MEE 431L	Multidisciplinary Des I	1	
MEE 440	Flight Vehicle Performance	4	
MEE 433	Project Management and Innovation	1	
	General Education Requirement	3	
MEE 415/416	Professional Development Seminar I/II	0	1
MEE 432L	Multidisciplinary Design II		3
MEE 460	Engineering Analysis		3
	Open Elective		3
	General Education Requirement		3
	General Education Requirement		<u>3</u>
		<u>15</u>	<u>16</u>
Declared Cluster:			
Gen Ed (5 Classes)		Cluster (3 Categories)	
(3 Classes)			
Art Study			
History besides HST 103			
Phil/Rel besides PHL 103 or REL 103			
Phil/Rel besides PHL 103 or REL 103			
Social Science			
CMM 110, CMM 111 or 112 and CMM 113 Communication Modules may be taken in any order			

