

BME Degree Requirements for Aerospace Concentration Students Entering 2012

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 100	English Composition I	3	
CMM 100	Communications	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	
EGR100/100	Enrichment Workshop	<u>0/0</u>	
(fall and spring placement may vary but all courses are to be taken)		33	
SECOND YEAR			
ENG 200	English Composition II	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	Introduction to Flight	3	
MEE 200/200	Professional Development Seminar	0	0
MTH 219	Applied Differential Equations		3
EGM 202	Dynamics		3
EGM 303	Mechanics II		3
MEE 308	Fluid Mechanics		3
MEE 314	Computational Methods		3
_____	General Education Requirement	<u>17</u>	<u>3</u>
			18
THIRD YEAR			
PHY 207	General Physics II	3	
EGR 203	Electrical and Electronic Circuits	3	
ECE 201L	Circuits Analysis Laboratory	1	
MEE 409	Aerospace Structures	3	
MEE 410/410L	Heat Transfer and Thermo Fluids Lab	3/1	
_____	Ethics	3	
MEE 415	Professional Development Seminar I	0	
_____	Approved Math/Science Elective		3
MEE 321	Theory of Machines		3
MEE 312/312L	Engineering Materials I and Lab		3/1
MEE 401	Aerodynamics		3
MEE 413	Propulsion		3
		17	16
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 416	Professional Development Seminar II		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>
		15	16

Declared Cluster:			
Gen Ed (5 Classes)		Cluster (3 Categories)	(3 Classes)
Art Study			
HST after HST 103			
PHL/REL after PHL 103 or REL 103			
Ethics			
Social Science			