

# BME Degree Requirement (Aerospace Concentration)

## *for students entering 2010*

### 1st Year

MEE 101	Introduction to Mechanical Engineering	0	0
EGR 100	Enrichment Workshop	0	0
EGR 103	Engineering Innovation I	2	
CHM 123/123L	General Chemistry & Lab	4	
ENG 101/102	English Composition I, II (or ENG 114 or 198)	6	
HST 103	History	3	
MTH 168/169	Analytic Geometry & Calculus I, II	8	
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 1__	Fundamentals of Oral Communication	<u>1</u>	

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1st Term

2nd Term

### 2nd Year

_____	General Education Requirement	3	
EGR 201	Mechanics I	3	
MTH 218	Analytic Geometry & Calculus III	4	
MEE 225	Intro. to Flight	3	
EGR 202	Thermodynamics I	3	
MEE 227L	Computer Graphics II	1	
MEE 200	Professional Development Seminar	0	0
PHY 207	General Physics II		3
_____	General Education Requirement		3
CMM 11_	Fundamentals of Oral Communication <sup>1</sup>		2
EGM 202	Dynamics		3
MTH 219	Applied Differential Equations		3
EGM 303	Mechanics II	<u>      </u>	<u>3</u>

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### 3rd Year

MEE 308	Fluid Mechanics	3	
MEE 413	Propulsion	3	
MEE 314	Computational Methods	3	
MEE 409	Aerospace Structures	3	
CMM 1xx	Fundamentals of Oral Communication	1	
_____	General Education Requirement	3	
MEE 415	Professional Development Seminar I	0	0
MEE 312/312L	Engineering Materials I and Lab		4
MEE 321	Theory of Machines		3
MEE 410/410L	Heat Transfer and Thermo Fluids Lab		4
MEE 401	Aerodynamics		3
PHY 208	Physics III	<u>      </u>	<u>3</u>

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### 4th Year

EGR 203	Electrical and Electronic Circuits	3	
ECE 201L	Circuit Analysis Laboratory	1	
MEE 341	Engineering Experimentation	3	
MEE 425/431L	Aerospace Design/Multidisciplinary Des. I	4	
MEE 439/440	Dynamic Systems and Controls Elective	4	
MEE 433	Project Management and Innovation	1	
MEE 415/416	Professional Development Seminar I/II	0	1
_____	Open elective		3
MEE 432L	Multidisciplinary Design II		3
MEE 460	Engineering Analysis		3
_____	Ethics Elective (PHL 316 or REL 369)		3
_____	General Education Requirement	<u>      </u>	<u>3</u>

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<sup>1</sup> CMM 110, 111 or 112, and 113 are required in any order.