

BME Degree Requirement (Aerospace Concentration) for students entering 2007

1st Year

MEE 101	Introduction to Mechanical Engineering	0
EGR 101	Introduction to Engineering Design	2
CHM 123/123L	General Chemistry & Lab	4
ENG 101/102	English Composition I, II (or ENG 114 or 198)	6
HST ____	History (HST 103 or 198)	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>
		34

2nd Year

		<u>1st Term</u>	<u>2nd Term</u>
	General Education Requirement	3-0-3	
EGM 201	Mechanics I	3-0-3	
MTH 218	Analytic Geometry & Calculus III	4-0-4	
MEE 225	Intro. to Flight	3-0-3	
MEE 301	Thermodynamics I	3-0-3	
MEE 227L	Computer Graphics II	0-3-1	
PHY 207	General Physics II		3-0-3
	General Education Requirement		3-0-3
CMM 11_	Fundamentals of Oral Communication ¹		2-0-2
EGM 202	Dynamics		3-0-3
MTH 219	Applied Differential Equations		3-0-3
EGM 303	Mechanics II		<u>3-0-3</u>
		<u>17</u>	<u>17</u>

3rd Year

MEE 308	Fluid Mechanics	3-0-3	
MEE 312/312L	Engineering Materials I and Lab	3-3-4	
MEE 314	Computational Methods	3-0-3	
MEE 409	Aerospace Structures	3-0-3	
PHY 208	Physics III	3-0-3	
MEE 415	Professional Development Seminar I	1-0-0	1-0-0
	General Education Requirement		3-0-3
MEE 321	Theory of Machines		3-0-3
MEE 410&410L	Heat Transfer and Thermo Fluids Lab		3-2-4
MEE 401	Aerodynamics		3-0-3
ECE 323&323L	Basic Electronic Circuits & Lab		<u>3-2-4</u>
		<u>16</u>	<u>17</u>

4th Year

MEE 341	Engineering Experimentation	1-4-3	
MEE 425/431L	Aerospace Design/Multidisciplinary Des. I	3-3-4	
MEE 439/440	Dynamic Systems and Controls Elective	4-0-4	
	Ethics Elective (PHL 316 or REL 369)	3-0-3	
	Aerospace elective	3-0-3	
MEE 415/416	Professional Development Seminar I/II	1-0-0	1-0-1
	Open elective		2-3-3
MEE 432L	Multidisciplinary Design II		2-6-4
MEE 460	Engineering Analysis		3-0-3
	General Education Requirement		<u>3-0-3</u>
		<u>17</u>	<u>14</u>

¹ CMM 110, 111 or 112, and 113 are required.