

**BME Aerospace Concentration Degree Requirements for Students Entering 2017**

Course #	Course Title	FALL	SPRING	
ENG 100	Writing Seminar I	3		FIRST YEAR
PHL 103	Introduction to Philosophy	3		
HST 103	History – West and World	3		
PHY 206	General Physics I	3		
MTH 168 (or MTH137/138)	Analytic Geometry & Calculus I	4		
CMM 100	Principles of Oral Communication	3		
REL 103	Introduction to Religion & Theological Studies	3		
EGR 103	Engineering Innovation	2		
CHM 123/123L	General Chemistry/Chemistry Lab	3/1		
MTH 169	Analytic Geometry & Calculus II	4		
MEE 104L	Solid Modeling in Design	2		
EGR 100/100	Enrichment Workshop	0/0		
EGR102/MEE101	Freshman Seminar I and II	0/0		
(fall and spring placement may vary but all courses are to be taken)		34		
ENG 200	Writing Seminar II	3		SECOND YEAR
<b>MEE 225</b>	<b>Introduction to Flight (Open Elective)</b>	<b>3</b>		
EGR 201	Mechanics I	3		
MTH 218	Analytic Geometry & Calculus III	4		
EGR 202	Thermodynamics I	3		
MEEorCOP200	Professional Development Seminar	0		
PHY 207	General Physics II		3	
EGM 303	Mechanics II		3	
EGR 203/203L	Electrical and Electronic Circuits and Circ Anal Lab		3/1	
MTH 219	Applied Differential Equations		3	
MEE 308	Fluid Mechanics		3	
		16	16	
	CAP1	3		THIRD YEAR
EGM 202	Dynamics	3		
<b>MEE 409</b>	<b>Aerospace Structures (MEE Elective)</b>	<b>3</b>		
MEE 314	Computational Methods	3		
<b>MEE 413 or AEE 5XX</b>	<b>Propulsion or AEE approved course (MEE Elec)</b>	<b>3</b>	<b>3</b>	
	Open Elective	3		
MEE 300	Professional Development for Juniors		0	
	CAP2		3	
MEE 321	Theory of Machines		3	
MEE 312/312L	Engineering Materials I and Lab		3/1	
MEE 410/410L	Heat Transfer and Thermo Fluids Lab		3/1	
<b>MEE 401</b>	<b>Aerodynamics</b>		<b>3</b>	
		18	17	
	CAP3	3		FOURTH YEAR
<b>MEE 425</b>	<b>Aerospace Design</b>	<b>3</b>		
MEE 431L	Multidisciplinary Des I	2		
<b>MEE 440</b>	<b>Flight Vehicle Performance</b>	<b>4</b>		
MEE 341	Engineering Experimentation	3		
	CAP4		3	
MEE 432L	Multidisciplinary Design II		3	
	CAP5		3	
MEE 460	Engineering Analysis		3	
	Approved Math/Science Elective		3	
MEE 400	Professional Development for Seniors		1	
		15	16	

5 Humanities Areas		CAP Component	Social Science	Arts	Cross Bound: Faith Traditions	Cross Bound: Pract.Ethic Act	Cross Bound: Inquiry	Cross Bound: Integrative	Adv PHL/REL	Adv PHL/REL	Adv Historical Study	Diversity / Social Justice	
For each Area, choose courses from the lists provided on your DegreeWorks screen. To complete CAP requirements, a check mark must be in each column and row. Classes counting for multiple CAP components is needed.			Areas	Course Number									
Social Science													
Arts													
PHL/REL													
PHL/REL													
History													
				PHY 207				X					
				MTH 219					X				