

BME Degree Requirements for Students Entering 2013

Course #	Course Title	FALL	SPRING
FIRST YEAR			
ENG 100	Writing Seminar I	3	
PHL 103	Introduction to Philosophy	3	
HST 103	History – West and World	3	
CHM 123/123L	General Chemistry/Chemistry Lab	3/1	
MTH 168/169	Analytic Geometry & Calculus I, II	4/4	
CMM 100	Principles of Oral Communication	3	
REL 103	Introduction to Religion & Theological Studies	3	
EGR 103	Engineering Innovation	2	
PHY 206	General Physics I	3	
MEE 104L	Computer Graphics I	1	
EGR 100/100	Enrichment Workshop	0/0	
MEE 101/101	Introduction to Mechanical Engineering	<u>0/0</u>	
(fall and spring placement may vary but all courses are to be taken)		33	
SECOND YEAR			
ENG 200	Writing Seminar II	3	
EGR 201	Mechanics I	3	
PHY 207	General Physics II	3	
MTH 218	Analytic Geometry & Calculus III	4	
MEE 227L	Computer Graphics II	1	
EGR 202	Thermodynamics I	3	
MEE 200/200	Professional Development Seminar	0	0
SSC 200	CAP: Social Science		3
EGM 202	Dynamics		3
MEE 314	Computational Methods		3
EGR 203	Electrical and Electronic Circuits		3
ECE 201L	Circuits Analysis Laboratory		1
MTH 219	Applied Differential Equations		<u>3</u>
		<u>17</u>	<u>16</u>
THIRD YEAR			
	Approved Math/Science Elective	3	
MEE 321	Theory of Machines	3	
MEE 312/312L	Engineering Materials I and Lab	3/1	
EGM 303	Mechanics II	3	
MEE 308	Fluid Mechanics	3	
MEE 415	Professional Development Seminar I	0	
	CAP: Ethics		3
MEE 344	Manufacturing Processes		3
MEE 341	Engineering Experimentation		3
MEE 433	Project Management and Innovation		1
MEE 410/410L	Heat Transfer and Thermo Fluids Lab		3/1
	Open Elective		<u>3</u>
		<u>16</u>	<u>17</u>
FOURTH YEAR			
	CAP: Arts	3	
MEE 427	Mechanical Design I	3	
MEE 431L	Multidisciplinary Des I	1	
	CAP: Faith/Diversity/Social Justice		3
MEE 439	Dynamic Systems and Controls	4	
	Mechanical Engineering Elective	3	
	CAP: History		3
MEE 432L	Multidisciplinary Design II		3
MEE 460	Engineering Analysis		3
	Mechanical Engineering Elective		3
	Open Elective		3
MEE 416	Professional Development Seminar II		<u>1</u>
		<u>17</u>	<u>16</u>
Common Academic Program			
Area	Course Number	CAP Gen Ed Requirement Fulfilled	
Ethics		Practical Ethical Action + Advanced REL or PHL	
Arts		Arts	
History		Advanced Historical Studies	
Faith/Diversity/Social Justice		Faith Traditions + Advanced REL or PHL + Diversity/Social Justice	
Social Science	SSC 200	Social Science	