

BME Degree Requirement (Energy Systems - Red) for students entering 2010

1st Year	CHM 123 & 123L	General Chemistry	4	
	EGR 100	Enrichment Workshop	0	0
	EGR 103	Engineering Innovation I	2	
	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 101	Introduction to Mechanical Engineering	0	0
	MEE 104L	Computer Graphics I	1	
	PHY 206	General Physics I	3	
	PHL 103	Introduction to Philosophy	3	
REL 103	Introduction to Religion	<u>3</u>		
		33		
2nd Year			<u>1st Term</u>	<u>2nd Term</u>
	EGR 201	Engineering Mechanics	3	
	EGR 202	Engineering Thermodynamics	3	
	MTH 218	Analytic Geometry & Calculus III	4	
	PHY 207	General Physics II	3	
		General Education Requirement	3	
	MEE 227L	Computer Graphics II	1	
	MEE 200	Professional Development Seminar	0	0
	CMM 11_	Fundamentals of Oral Communication ¹		1
	EGM 202	Dynamics		3
	EGM 303	Mechanics II		3
	EGR 203	Electrical and Electronic Circuits		3
	ECE 201L	Circuit Analysis Laboratory		1
	MTH 219	Applied Differential Equations		3
		General Education Requirement, Energy Related		<u>3</u>
		<u>17</u>	<u>17</u>	
3rd Year	PHY 220			
	or SEE 301	Science Elective	3	
	CMM 11_	Fundamentals of Oral Communication ¹	1	
	MEE 314	Computational Methods	3	
	MEE 321	Theory of Machines	3	
	MEE 308	Fluid Mechanics	3	
	MEE 312 & 312L	Engineering Materials I and Lab	4	
	MEE 415	Professional Development Seminar I	0	0
	MEE 341	Engineering Experimentation		3
	MEE 410 /410L	Transfer & Thermo Fluids Lab		4
	MEE 478	Energy Efficient Manufacturing		3
	CMM 11_	Fundamentals of Oral Communication ¹		1
		General Education Requirement, Energy Related		3
	Open Elective		<u>3</u>	
		<u>17</u>	<u>17</u>	
4th Year	MEE 427/431L	Mechanical Design/Multidisciplinary Des I	4	
	MEE 439	Dynamic Systems and Controls	4	
	MEE 433	Project Management and Innovation	1	
		Ethics Elective (SEE401, PHL321 or REL365)	3	
		Mechanical Engineering Elective	3	
	MEE 415/416	Professional Development Seminar I/II	0	1
	MEE 432L	Multidisciplinary Design II		3
	MEE 460	Engineering Analysis		3
		Mechanical Engineering Elective		3
		Open Elective		3
		General Education Requirement		<u>3</u>
		<u>15</u>	<u>16</u>	

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