

Bachelor of Mechanical Engineering Degree Requirements (Energy Systems - Red)
for students entering 2009

1st Year

CHM 123 & 123L	General Chemistry	4
EGR 100	Enrichment Workshop	0-3
EGR 103	Engineering Innovation I	2
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 101	Introduction to Mechanical Engineering	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		3
		17	17

3rd Year

PHY 208 or 299	Physics 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>
		17	17

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 (ASI 343, Phl 321, PHL 316 or REL 369)	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>
		15	16

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