

Bachelor of Mechanical Engineering Degree Requirements (Aerospace Concentration)
for students entering 2009

1st Year

MEE 101	Introduction to Mechanical Engineering	0
EGR 100	Enrichment Workshop	0-3
EGR 103	Engineering Innovation I	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>

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2nd Year

_____	General Education Requirement	<u>1st Term</u>	<u>2nd Term</u>
EGR 201	Mechanics I	3-0-3	
MTH 218	Analytic Geometry & Calculus III	3-0-3	
MEE 225	Intro. to Flight	4-0-4	
EGR 202	Thermodynamics I	3-0-3	
MEE 227L	Computer Graphics II	3-0-3	
MEE 200	Professional Development Seminar	0-3-1	
PHY 207	General Physics II	0-0-0	0-0-0
_____	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>

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3rd Year

MEE 308	Fluid Mechanics	3-0-3	
MEE 413	Propulsion	3-0-3	
MEE 314	Computational Methods	3-0-3	
MEE 409	Aerospace Structures	3-0-3	
CMM 1xx	Fundamentals of Oral Communication	1-0-1	
_____	General Education Requirement	3-0-3	
MEE 415	Professional Development Seminar I	1-0-0	1-0-0
MEE 312/312L	Engineering Materials I and Lab		3-3-4
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
PHY 208	Physics III		<u>3-0-3</u>

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4th Year

EGR 203	Electrical and Electronic Circuits	3-0-3	
ECE 201L	Circuit Analysis Laboratory	1-2-1	
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	
MEE 433	Project Management and Innovation	1-0-1	
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
_____	Ethics Elective (PHL 316 or REL 369)		3-0-3
_____	General Education Requirement		<u>3-0-3</u>

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