DEGREE: BACHELOR OF MECHANICAL ENGINEERING
MAJOR: MECHANICAL ENGINEERING

CURRICULUM		CREDITS

Parenthesized figures indicate year and semester in which the course should be taken
(1 = freshman, 2 = sophomore, 3 = junior, 4 = senior) and semester (F = fall, S = spring)

UNIVERSITY REQUIREMENTS

ENGL 110	Critical Reading and Writing (minimum grade C-)	3 (1F)
First Year Experience (FYE)		0-4
Discovery Learning Experience (DLE)		3
Breadth Requirements		12
Multi-cultural Course(s)		3

MAJOR REQUIREMENTS

College of Engineering Breadth Requirements 21

The College of Engineering requires 21 total Breadth Requirement credits (essentially 9 credits in addition to the University Breadth Requirement.)

- If chosen carefully, up to 3 credits from each of the University Breadth Requirement categories may be used to simultaneously satisfy the College of Engineering Breadth Requirements for this major.
- Of the 21 credits, 6 credits must be at the Upper Level (usually 300-level or higher) as designated on the College of Engineering Breadth Requirement list.
- Of the 21 credits, 3 credits may be used to satisfy the University Multicultural Requirement (recommended for timely progress toward degree completion.)
- All Breadth Requirement coursework must be passed with a minimum grade of C-.

CHEM 103	General Chemistry	4 (1F)
CISC 106	General Computer Science for Engineers	3 (1F)
EGGG 101	Introduction to Engineering (FYE)	2 (1F)
MATH 241	Analytic Geometry and Calculus A	4 (1F)
MATH 242	Analytic Geometry and Calculus B	4 (1S)
MATH 243	Analytic Geometry and Calculus C	4 (2F)
MATH 351	Engineering Mathematics I	3 (2F)
MATH 352	Engineering Mathematics II	3 (2S)
MATH 353	Engineering Mathematics III	3 (2S)
MEEG 112	Statics (minimum grade of C- required to progress)	3 (1S)
MEEG 202	Computer-Aided Engineering Design	3 (2S)
MEEG 211	Dynamics	3 (2F)
MEEG 215	Mechanics of Solids	4 (2F)
MEEG 301	Machine Design - Kinematics and Kinetics	3 (3F)
MEEG 304	Machine Design - Elements	3 (3S)
MEEG 311	Vibration and Control	4 (3F)
MEEG 321	Materials Engineering	3 (3F)
MEEG 331	Fluid Mechanics I	4 (3F)
MEEG 332	Fluid Mechanics II	3 (3S)
MEEG 341	Thermodynamics	3 (3F)
MEEG 342	Heat Transfer	3 (3S)
MEEG 346	Thermal Lab	1 (3S)
MEEG 401	Senior Design (DLE)	6 (4F)
MSEG 302	Materials Science for Engineers	3 (2S)
PHYS 207	Fundamentals of Physics I	4 (1S)
PHYS 245	Introduction to Electricity and Electronics	4 (2S)

TECHNICAL ELECTIVES 15

Courses in engineering, science or mathematics selected by the student with the approval of his/her advisor.

CREDITS TO TOTAL A MINIMUM OF **123**

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MATH 351	Engineering Mathematics I	3 (2F)
MATH 352	Engineering Mathematics II	3 (2S)
MATH 353	Engineering Mathematics III	3 (2S)
MEEG 112	Statics (minimum grade of C- required to progress)	3 (1S)
MEEG 202	Computer-Aided Engineering Design	3 (2S)
MEEG 211	Dynamics	3 (2F)
MEEG 215	Mechanics of Solids	4 (2F)
MEEG 301	Machine Design - Kinematics and Kinetics	3 (3F)
MEEG 304	Machine Design - Elements	3 (3S)
MEEG 311	Vibration and Control	4 (3F)
MEEG 321	Materials Engineering	3 (3F)
MEEG 331	Fluid Mechanics I	4 (3F)
MEEG 332	Fluid Mechanics II	3 (3S)
MEEG 341	Thermodynamics	3 (3F)
MEEG 342	Heat Transfer	3 (3S)
MEEG 346	Thermal Lab	1 (3S)
MEEG 401 or 402	Senior Design or Senior Design - FSAE (DLE)	6 (4F)
MSEG 302	Materials Science for Engineers	3 (2S)
PHYS 207	Fundamentals of Physics I	4 (1S)
PHYS 245	Introduction to Electricity and Electronics	4 (2S)

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