Mechanical Engineering degree requirements for student entering MU FS04 or later.

Name: ________________________________
Student Number: __________________________

FS 2006
16 hours

MAE 1000 (1)
Introduction to Mechanical Engineering

Math 1500 (5)
Calculus I
Prerequisite: Math ACT of 28 or C in Math 110

Chem 1310 (2)
Gen Chem I
Prerequisite: Math 110

Engr 1100 (2)
Engr Graphics Fundamentals

# Social or Behavioral Science: Econ 1014 or 1024 or other (3)

FS 2007
15 hours

CS 1040 (3)
Computer Programming

Math 1700 (5)
Calculus II

Pol Sci 1100 or Hist 1100 or 1200 or others (3)

Chem 1320 (3)
Gen Chem II
Prerequisite: Math 110

# Social or Behavioral Science: Econ 1014 or 1024 or other (3)

WS 2007
15 hours

Math 2300 (3)
Calculus III

CS 2710 (3)
Computer Programming

Pol Sci 1100 or Hist 1100 or 1200 or others (3)

Chem 1320 (3)
Gen Chem II
Prerequisite: Math 110

# Social or Behavioral Science: Econ 1014 or 1024 or other (3)

FS 2008
13 hours

MAE 4100 (3)
Dif Eqns

Phys 2750 (5)
Univ. Physics I

Phys 2760 (5)
Univ. Physics II

Engr 1200 (3)
Statics

English 1000 (3)
Exposition & Argumentation

Engr 1200 (3)
Statics

Phys 2750 (5)
Univ. Physics I

Phys 2760 (5)
Univ. Physics II

Engr 1200 (3)
Statics

# Human Studies or Fine Arts (3)

MAE 4100 (3)
Dif Eqns

MAE 3000 (3)
Mech Design I

# Human Studies or Fine Arts (3)

MAE 4100 (3)
Dif Eqns

MAE 3000 (3)
Mech Design I

# Human Studies or Fine Arts (3)

WS 2008
14 hours

MAE 4100 (3)
Dif Eqns

MAE 3000 (3)
Mech Design I

# Human Studies or Fine Arts (3)

MAE 4100 (3)
Dif Eqns

MAE 3000 (3)
Mech Design I

# Human Studies or Fine Arts (3)

FS 2009
12 hours

IME 2110 (3)
Probabilistic Models

MAE 4100 (3)
Dif Eqns

MAE 3000 (3)
Mech Design I

# Human Studies or Fine Arts (3)

MAE 4100 (3)
Dif Eqns

MAE 3000 (3)
Mech Design I

# Human Studies or Fine Arts (3)

WS 2009
15 hours

MAE 4100 (3)
Dif Eqns

MAE 3000 (3)
Mech Design I

# Human Studies or Fine Arts (3)

MAE 4100 (3)
Dif Eqns

MAE 3000 (3)
Mech Design I

# Human Studies or Fine Arts (3)

FS 2010
12 hours

MAE 4100 (3)
Dif Eqns

MAE 3000 (3)
Mech Design I

# Human Studies or Fine Arts (3)

MAE 4100 (3)
Dif Eqns

MAE 3000 (3)
Mech Design I

# Human Studies or Fine Arts (3)

WS 2010
15 hours

MAE 4100 (3)
Dif Eqns

MAE 3000 (3)
Mech Design I

# Human Studies or Fine Arts (3)

MAE 4100 (3)
Dif Eqns

MAE 3000 (3)
Mech Design I

# Human Studies or Fine Arts (3)

FS 2010
15 hours

MAE 4100 (3)
Dif Eqns

MAE 3000 (3)
Mech Design I

# Human Studies or Fine Arts (3)

MAE 4100 (3)
Dif Eqns

MAE 3000 (3)
Mech Design I

# Human Studies or Fine Arts (3)

# Social or Behavioral Science: Econ 1014 or 1024 or other (3)

### Notes:
- Solid lines indicate prerequisites; dashed lines indicate co-requisites.
- Nine hours must be completed in each of the Behavioral Science / Social Science and Humanities / Fine Arts areas. For a list of accepted Behavioral Science / Social Science and Humanities / Fine Arts course, please go to: [http://web.missouri.edu/~umcengrmaeweb/courses/genedu/genedu.html](http://web.missouri.edu/~umcengrmaeweb/courses/genedu/genedu.html). One course of the 18 hours must be numbered 2000 or above.
- ME students must satisfy an economics requirement by taking Econ 1014 or 1024 OR IMSE 2710. Econ 1014 and 1024 are considered Social Science courses. IMSE 2710 satisfies the Technical Elective requirement.
- One elective must be from the approved list of Writing Intensive courses (prerequisite for all WI courses: English 1000). Please see [http://cwp.missouri.edu/wicourses/index.htm](http://cwp.missouri.edu/wicourses/index.htm) for a list of WI courses, after choosing one from the list please compare it to the accepted Behavioral Science / Social Science and Humanities / Fine Arts list to assure that it will be accepted in the MAE department.
- All candidates for the BS in Mechanical Engineering are required to have a GPA of at least 2.0 based on all the courses required for a major designation (i.e., MAE, Engr, CE, etc.). This requirement includes all equivalent engineering courses transferred from other campuses of the UM System.
- Note: To complete required courses in 8 semesters, student must earn 15 to 17 credit hours per semester. The average course load for engineering students is 13 to 14 hours per semester. Most students finish in 9 or 10 semesters or attend summer classes to complete the program in 8 semesters.