Mechanical Engineering Catalog 2009

Fall  
16 hours  
Math 141 or 147 (4) FA, SP, SU  
Prereq: Math 130 or placement score  
EF 151 or 157 (4) FA, SP  
Coreq: Math 141 or 147 and EF 105  
EF 105 (1) FA, SP  
Coreq: EF 151 or 157  
English 101 or 118 (3) FA, SP, SU  
Chem 120 or 128 (4) FA, SP, SU  
Math 130 or placement score

Spring  
16 hours  
Math 142 or 148 (4) FA, SP, SU  
Prereq: Math 141 or 147  
EF 152 or 158 (4) FA, SP  
Prereq: EF 151 or 157  
EF 151 or 157 (4) FA, SP, SU  
Coreq: EF 152 or 158 and Math 142 or 148  
ME 202 (2) FA, SP, SU  
Prereq: English 101 or 118  
English 102 (3) FA, SP, SU  
Gen Ed (3) FA, SP, SU  
Cultures & Civilizations

Fall  
16 hours  
Math 241 or 247 (4) FA, SP, SU  
Prereq: Math 142 or 148  
ME 231 (3) FA, SP, SU  
Prereq: EF 152 or 158 and ME 202  
EF 230 (2) FA, SP  
Prereq: EF 152 or 158  
Gen Ed (3) FA, SP, SU  
Cultures & Civilizations  
Econ 201 or 207 (4) FA, SP, SU  
Social Science

Spring  
18 hours  
Math 231 (3) FA, SP, SU  
Prereq: Math 142 or 148  
Math 251 or 257 (3) FA, SP, SU  
Prereq: Math 142 or 148  
Physics 231 (3) FA, SP, SU  
Coreq: Math 142 or 148  
ME 321 (3) FA, SP, SU  
Prereq: ME 202 and Math 142 or 148  
MSE 201 (3) FA, SP, SU  
Prereq: Chem 120 or 128  
Philosophy 241 (3) FA, SP  
Arts & Humanities (WC)

Fall  
15 hours  
ME 331 (3) FA, SP, SU  
Coreq: Math 241 or 247  
AE 341 (3) FA, SP, SU  
Prereq: ME 231 and Math 241 or 247  
ME 366 (3) FA, SP  
Prereq: MSE 201  
ECE 301 (3) FA, SP, M  
Prereq: Math 231  
ME 391 (3) FA, SP, SU  
Prereq: EF 152 or 158 and Math 231, 251 and EF 230

Spring  
15 hours  
ME 466 (3) FA, SP  
Prereq: ME 321 and MSE 201  
ME 363 (3) FA, SP, SU  
Prereq: ME 231 and Math 231  
ME 345 (3) FA, SP, SU  
Prereq: AE 341 and ECE 301 Coreq: ME 363  
ME 344 (3) FA, SP, SU  
Prereq: ME 331 and 391 and AE 341  
Dept. Elective (3) FA, SP, SU  
Any 300 level or above in AE, BME, or ME  

Fall  
16 hours  
ME 475 (3) FA, SP  
Prereq: ME 344  
Technical Elective (3) FA, SP, SU  
Petition required in advance  
ME 365 (3) FA/SU or 463 (3) SP  
Me 365 Prereq-ME 231  
ME 463 Prereq- ME 363  
ME 410 (2) FA  
Coreq: ME 450 and Senior (OC)  
ME 450 (1 to 4) FA  
Coreq: ME 466 or 475 Must have 5 total hours between ME 450 & 460  
Gen Ed (3) FA, SP, SU  
Arts and Humanities

Spring  
16 hours  
ME 449 (3) FA, SP, SU  
Prereq: ME 321, 344 and 345 Coreq: ME 475  
Dept. Elective (3) FA, SP, SU  
Any 300 level or above in AE, BME or ME  
Dept. Elective (3) FA, SP, SU  
Any 300 level or above in AE, BME, or ME  
EF 402 (1) FA, SP  
Senior  
ME 460 (1 to 4) SP  
Prereq: ME 450 Must have 5 total hours between ME 450 & 460  
Gen Ed (3) FA, SP, SU  
Social Science

Progression  
The first two years of the curriculum are considered to be lower-division and the two remaining years upper-division. Students must apply for progression to departmental upper division courses, which depends on academic performance. Factors considered include overall grade point average, performance in selected lower division courses, and evidence of orderly progression through the prescribed curriculum.

Full Status  
A lower-division student may apply for progression to upper division after completing CHEM 120, ME 202, MATH 231, ME 231, and ME 321, and PHYS 231, with a grade of C or better in each, and an overall GPA of at least 2.4.

Provisional Status  
Students who have completed Chem 120, ME 202, Math 231, ME 231, ME 321 and Phys 231 with a grade of C or better and have an overall GPA between 2.0 and 2.4 may apply for provisional status. The granting of provisional status is based on the availability of space in departmental programs after full status students have been accommodated. Provisional status students are required to demonstrate their ability to perform satisfactorily in upper-division by attaining a minimum GPA of 2.0 in the first 12 hours of 300-level required engineering courses. Award of upper-division full status is dependent upon this performance. Students with an overall GPA less than 2.0 will not be admitted to upper-division. Students who have not progressed to upper-division will be dropped from departmental class rolls.

Departmental Academic Standing  
The Department of Mechanical, Aerospace and Biomedical Engineering expects all students who enter to make progress toward graduation. To graduate from the department, a student must earn a minimum cumulative departmental grade point average of 2.0. Students not meeting the required departmental GPA may be dropped from their major in the department.

In addition, the University Academic Good Standing Policies apply to all students.

Graduation Requirements  
A minimum cumulative GPA of 2.0 in all departmental courses taken at the University of Tennessee, Knoxville, is required for graduation. No more than two departmental courses in which a C- or lower is the highest grade earned may be counted toward graduation. This is in addition to the university's graduation requirements.