Aerospace Engineering Catalog 2010

Fall
16 hours
Math 141 or 147 (4) FA, SP, SU
Prereq- Math 130 or Math ACT 28
or Math SAT 680
EF 151 or 157 (4) FA, SP, SU
Coreq- Math 141 or 147 and
EF 105
EF 105 (1) FA, SP, SU
Coreq- EF 151 or 157
English 101 or 118 (3) FA, SP, SU
Chem 120 or 128 (4) FA, SP, SU
Math 130

Spring
16 hours
Math 142 or 148 (4) FA, SP, SU
Prereq- Math 141 or 147
EF 152 or 158 (4) FA, SP, SU
Prereq- EF 151 or 157
ME 202 (2) FA, SP, SU
Coreq- EF 152 or 158 and
Math 142 or 148
English 102 (3) FA, SP, SU
Gen Ed (3) FA, SP, SU
Social Science

Fall
18 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
MSE 201 (3) FA, SP, SU
Prereq- Chem 120 or 128
Physics 231 (3) FA, SP, SU
Coreq- Math 142 or 148
Econ 201 or 207 (4) FA, SP, SU
Social Science
AE 201 (1) FA
Consent of Instructor

Spring
16 hours
Math 231 (3) FA, SP, SU
Prereq- Math 142 or 148
Math 200 (1) FA, SP, SU
Prereq- Math 142
or 148
Physics 232 (4) FA, SP, SU
Prereq- Physics 231
Coreq- Math 241 or 247
ME 321 (3) FA, SP, SU
Prereq- ME 202 and
Math 142 or 148
Philosophy 241 (3) FA, SP
Arts & Humanities (WC)

Fall
15 hours
Math 331 (3) FA, SP, SU
Prereq- Math 241 or 247
AE 341 (3) FA, SP, SU
Prereq- ME 231 and
Math 241 or 247
AE 370 (4) FA
Coreq- AE 341
ECE 301 (3) FA, SP, M
Prereq- Math 231
ME 391 (3) FA, SP, SU
Prereq- EF 152 or 158 and
Math 231, 251 or 200 and EF 230

Spring
15 hours
AE 363 (3) SP
Prereq- ME 321
ME 363 (3) FA, SP, SU
Prereq- ME 321 and
Math 231
AE 345 (3) FA, SP, SU
Prereq- AE 341 and ECE 301
Coreq- ME 363
AE 344 (3) FA, SP, SU
Prereq- ME 331 and 391
and AE 341
AE 351 (3) SP
Prereq- AE 341 and ME 331

Fall
16 hours
AE 422 (3) FA
Prereq- AE 351 and 370
AE 425 (4) FA
Prereq- AE 351
AE 424 (4) FA
Prereq- AE 351
AE 426 (2) FA
Prereq- AE 351, 370, 363
Coreq- AE 344
AE 410 (2) FA
Coreq- AE 426 and Senior (OC)
EF 402 (1) FA, SP
Senior

Spring
15 hours
AE 449 (3) SP
Prereq- AE 345, 351, and 425
Gen Ed (3) FA, SP, SU
Cultures and Civilizations
Gen Ed (3) FA, SP, SU
Cultures & Civilizations
AE 429 (3) SP
Prereq- AE 426, 422, and 425
Gen Ed (3) FA, SP, SU
Arts and Humanities

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 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 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.