## Biomedical Engineering Catalog 2009

### Fall

<table>
<thead>
<tr>
<th>Hours</th>
<th>Courses</th>
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</table>
| 16    | Math 141 or 147 (4) FA, SP, SU  <br>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 |
| 17    | Math 142 or 148 (4) FA, SP, SU  
Prereq- Math 141 or 147  
EF 152 or 158 (4) FA, SP  
Coreq- EF 151 or 157  
Coreq- Math 142 or 148  
ME 202 (2) FA, SP, SU  
Coreq- EF 152 or 158 and Math 142 or 148  
English 102 (3) FA, SP, SU  
Chem 130 or 138 (4) FA, SP, SU  
Prereq- EF 120 or 128 |
|       | 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  
Stat 251 (3) FA, SP  
Prereq- Math 142 or 148  
Physics 231 (3) FA, SP, SU  
BME 271 (1) FA  
Prereq- EF 152 or 158  
Gen Ed (3) FA, SP, SU  
Cultures & Civilizations |
| 14    | ME 331 (3) FA, SP, SU  
Prereq- Math 142 or 148  
AE 341 (3) FA, SP, SU  
Prereq- ME 231 and Math 241 or 247  
MSE 201 (3) FA, SP, SU  
Prereq- Chem 120 or 128  
ECE 300 (5) FA, SP, SU  
Prereq- Consent of Dept.  
Prereq- Math 231 & Physics 231 |
|       | BME 363 (3) FA, SP, SU  
Prereq- ME 231 and Math 231  
BME 345 (3) FA, SP, SU  
Prereq- AE 341 & ECE 300  
Coreq- BME 363  
ECE 315 (3) FA, SP, SU  
Prereq- ECE 300  
Philosophy 241 (3) FA, SP  
Arts & Humanities (WC)  
Econ 201 or 207 (4) FA, SP, SU  
Social Science |
|       | BME 410 (2) FA  
Coreq- BME 455 and Senior (OC)  
BME 430 (3) FA  
Prereq- BME 345 & ECE 315  
BME 455 (2) FA  
Coreq- BME 430  
Dept. Elective (3) FA, SP, SU  
Any 300 level or above in AE, BME, or ME  
Technical Elective (3) FA, SP, SU  
Petition required in advance  
Gen Ed (3) FA, SP, SU  
Arts and Humanities |
|       | BME 473 (3) SP  
Prereq- ME 321  
Gen Ed (3) FA, SP, SU  
Cultures and Civilizations  
BME 469 (3) SP  
Prereq- BME 455  
Dept. Elective (3) FA, SP, SU  
Any 300 level or above in AE, BME, or ME  
Gen Ed (3) FA, SP, SU  
Social Science  
EF 402 (1) FA, SP  
Senior |

### 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 and 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.