# Mechanical Engineering Catalog 2010

## Fall

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<tr>
<th>Hours</th>
<th>Course</th>
<th>Prerequisites</th>
<th>Corequisites</th>
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<tr>
<td><strong>16</strong></td>
<td>Math 141 or 147 (4) FA, SP, SU</td>
<td>Prereq: Math 130 or Math ACT 28 or Math SAT 680</td>
<td>EF 151 or 157 (4) FA, SP</td>
<td>EF 105 (4) FA, SP, SU</td>
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<td><strong>16</strong></td>
<td>Math 142 or 148 (4) FA, SP, SU</td>
<td>Prereq: Math 141 or 147</td>
<td>EF 152 or 158 (4) FA, SP</td>
<td>ME 202 (2) FA, SP, SU</td>
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<td><strong>16</strong></td>
<td>Math 241 or 247 (4) FA, SP, SU</td>
<td>Prereq: Math 142 or 148</td>
<td>ME 231 (3) FA, SP, SU</td>
<td>EF 230 (2) FA, SP</td>
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<td><strong>18</strong></td>
<td>Math 231 (3) FA, SP, SU</td>
<td>Prereq: Math 142 or 148</td>
<td>Math 251 or 257 (3) FA, SP, SU</td>
<td>Physics 231 (3) FA, SP, SU</td>
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<td><strong>16</strong></td>
<td>ME 331 (3) FA, SP, SU</td>
<td>Coreq: Math 142 or 148</td>
<td>AE 341 (3) FA, SP, SU</td>
<td>ME 366 (3) FA, SP</td>
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<td><strong>15</strong></td>
<td>ME 466 (3) FA, SP</td>
<td>Prereq: ME 321 and MSE 201</td>
<td>ME 363 (3) FA, SP, SU</td>
<td>ME 345 (3) FA, SP, SU</td>
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<td><strong>16</strong></td>
<td>ME 475 (3) FA, SP</td>
<td>Prereq: ME 344</td>
<td>Technical Elective (3) FA, SP, SU</td>
<td>ME 365 (3) FA/SU or 463 (3) SP</td>
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<td><strong>16</strong></td>
<td>ME 449 (3) FA, SP, SU</td>
<td>Prereq: ME 321, 344 and 345 Coreq: ME 475</td>
<td>Dept. Elective (3) FA, SP, SU</td>
<td>Dept. Elective (3) FA, SP, SU</td>
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### 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.