Students also have opportunities for an Honors Concentration and/or a five year BS/MS program. See the Undergraduate Catalog for details and requirements.

A C- or lower is the highest grade earned may be counted toward graduation. This is in addition to the university's graduation requirements.

A minimum GPA of 2.0 in all departmental courses counted toward the degree taken at the University of Tennessee, Knoxville, is required for graduation. No more than two departmental courses in which a minimum grade point average of 2.0 in all departmental courses counted toward the degree. Students not meeting the required departmental GPA may be dropped from their major.

The faculty of the Department of Mechanical, Aerospace and Biomedical Engineering expect all students who enter to make progress toward graduation. To graduate from the department, a student must earn 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 in upper division courses.

Full Status Progression
A lower-division student may apply for progression to upper division after completing EF 152/158, CHEM 120/128, MATH 231, ME 202, ME 231 and ME 321 with a grade of C or better in each, and an overall GPA of at least 2.4. Students who have not satisfied the requirements for full status will be dropped from departmental class rolls in upper division courses.

Provisional Status Progression
Students who have completed EF 152/158, Chem 120/128, Math 231, ME 202, ME 231, ME 321 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 in upper division courses.

Transfer Students
Students transferring more than 26 hours from another institution are considered transfer students. Transfer students must meet the same criteria as non-transfer students, using transfer grades for acceptable substitutions. Transfer courses with grades below a C will not be accepted to fulfill any degree requirements.

Mechanical Engineering Catalog 2017

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3</th>
<th>Term 4</th>
<th>Term 5</th>
<th>Term 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 130 or higher or one SS or one AH or one CC</td>
<td>Math 130 or higher</td>
<td>EF 151 or 157 or Physics 135/137</td>
<td>EF 152/158 or Physics 136/138</td>
<td>ME 202 or CS 102 or MSE 201</td>
<td>No Milestones</td>
</tr>
<tr>
<td><strong>Fall</strong> 16 hours</td>
<td><strong>Spring</strong> 16 hours</td>
<td><strong>Fall</strong> 16 hours</td>
<td><strong>Spring</strong> 16 hours</td>
<td><strong>Fall</strong> 16 hours</td>
<td><strong>Spring</strong> 16 hours</td>
</tr>
<tr>
<td>Math 141 or 147 (4) FA, SP, SU</td>
<td>Math 142 or 148 (4) FA, SP, SU</td>
<td>Math 241 or 247 (4) FA, SP, SU</td>
<td>Math 231 or 237 (3) FA, SP, SU</td>
<td>Math 331 (3) FA, SP, SU</td>
<td>ME 475 or 477 (3) FA, SP, SU</td>
</tr>
<tr>
<td>Prereq: Math 130 or Math ACT 28 or Math SAT 630</td>
<td>Prereq: Math 141 or 147</td>
<td>Prereq: Math 142 or 148</td>
<td>Prereq: Math 142 or 148</td>
<td>Coreq: Math 241 or 247</td>
<td>Prereq: Math 344</td>
</tr>
<tr>
<td>EF 151 or 157 (4) FA, SP</td>
<td>EF 152 or 158 (4) FA, SP, SU</td>
<td>EF 230 (2) FA, SP</td>
<td>ME 231 (3) FA, SP, SU</td>
<td>AE 341 or 347 (3) FA, SP, SU</td>
<td>ME 466 (3) FA, SP, SU</td>
</tr>
<tr>
<td>Coreq: EF 151 or 157</td>
<td>Prereq: EF 151 or 157 and Math 142 or 148</td>
<td>Coreq: EF 152 or 158 and Math 142 or 148</td>
<td>Prereq: ME 202 with C or better and Math 142 or 148</td>
<td>Coreq: ME 231 with grade C or better and MSE 201</td>
<td>Coreq: ME 450 and Senior</td>
</tr>
<tr>
<td>EF 105 (1) FA, SP</td>
<td>ME 202 (2) FA, SP, SU</td>
<td>EF 366 (3) FA, SP</td>
<td>ME 321 (3) FA, SP, SU</td>
<td>AE 341/347</td>
<td>ME 450 (3) FA</td>
</tr>
<tr>
<td>Prereq: EF 151 or 157</td>
<td>Coreq: EF 152 or 158 and Math 142 or 148</td>
<td>Coreq: ME 321 with C or better and ME 201</td>
<td>Coreq: ME 202 with C or better and Math 142 or 148</td>
<td>Prereq: ME 331 and 391/397 and ME 343/347</td>
<td>Prereq: ME 363 or 367 and 366</td>
</tr>
<tr>
<td>English 101 or 118 (3) FA, SP, SU</td>
<td>English 102 (3) FA, SP, SU</td>
<td>ECE 301 (3) FA, SP, M</td>
<td>MSE 201 or 207 (3) FA, SP, SU</td>
<td>Dept. Elective (3) FA, SP, SU</td>
<td>Gen Ed (3) FA, SP, SU</td>
</tr>
<tr>
<td>Chem 120 or 128 (4) FA, SP, SU</td>
<td>Prereq: English 101 or 118</td>
<td>ME 391 or 397 (3) FA, SP, SU</td>
<td>Prereq: Chem 120 or 128</td>
<td>Any 300 level or above in AE, BME, or ME not already required.</td>
<td>Arts &amp; Humanities</td>
</tr>
<tr>
<td>Math 130</td>
<td>Gen Ed (3) FA, SP, SU</td>
<td>Prereq: EF 230, Math 251/257, and Math 241/247, and Math 231 with grade C or better</td>
<td>Gen Ed (3) FA, SP, SU</td>
<td>Arts and Humanities</td>
<td></td>
</tr>
</tbody>
</table>

**Term 1 Milestones:**
- Math 130 or higher or one SS or one AH or one CC
- **Fall** 16 hours: Math 141 or 147 (4) FA, SP, SU, Math 241 or 247 (4) FA, SP, SU
- **Spring** 16 hours: Math 142 or 148 (4) FA, SP, SU

**Term 2 Milestones:**
- Math 130 or higher
- **Fall** 16 hours: Math 241 or 247 (4) FA, SP, SU
- **Spring** 16 hours: Math 231 or 237 (3) FA, SP, SU

**Term 3 Milestones:**
- EF 151 or 157 or Physics 135/137
- **Fall** 16 hours: EF 151 or 157 (4) FA, SP
- **Spring** 16 hours: AE 341 or 347 (3) FA, SP, SU

**Term 4 Milestones:**
- EF 152/158 or Physics 136/138
- **Fall** 16 hours: EF 152 or 158 (4) FA, SP, SU
- **Spring** 16 hours: AE 341/347

**Term 5 Milestones:**
- **Fall** 16 hours: EF 230 (2) FA, SP
- **Spring** 16 hours: ME 321 (3) FA, SP, SU

**Term 6 Milestones:**
- **Fall** 16 hours: ME 331 (3) FA, SP, SU
- **Spring** 16 hours: ME 466 (3) FA, SP, SU

**No Milestones**