## B.S. in MANUFACTURING ENGINEERING

### Suggested 4-Year Academic Flowchart

**2015-2017 Catalog**

Updated 3/22/2016

### Notes:

**MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET**

* Refer to current catalog for prerequisites.

** One course from each of the following GE areas must be completed: A1, A2, C1, C2, C3, C4, D1, D2, D3, D4. C4 should be taken only after Junior standing is reached (90 units). Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).

USCP requirement can be satisfied by some (but not all) courses within GE categories: C3, C4, D1, D3, or D4.

*** At least 10 units of technical electives must be upper level (300-level or above) engineering or computer science courses. A max of 4 units of technical electives may be upper level (300-level or above) courses from outside of the College of Engineering or lower level (100 or 200-level) engineering or computer science courses. IME 400 and IME 500 require a special problems form and substitution form and no more than 4 total units are allowed.

† Course can be taken previously or concurrently.

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<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course # (Units)</th>
<th>Prerequisites</th>
<th>GE Area</th>
<th>General Ed.</th>
<th>Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 133 or 134 (4)**</td>
<td>**</td>
<td>[A1]</td>
<td></td>
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</table>
| Can be taken anytime during Freshman Year

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course # (Units)</th>
<th>Prerequisites</th>
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<th>General Ed.</th>
<th>Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 149 (4)</td>
<td>**</td>
<td>[A3]</td>
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</table>
| (Completion of GE A1 with a C- or better, Recom: Completion of GE A2) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years

14 20 17 15 19 15 16 14 16 15 17

TOTAL: 192