## Suggested 4-Year Academic Flowchart

### B.S. in Mechanical Engineering
(Mechatronics Concentration)

#### 2013-15 Catalog

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<th>Year</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
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<tr>
<td>Freshman</td>
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**Notes:**

1. Most general education courses can be taken in any order as long as prerequisites are met.
2. 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).
3. Refer to online catalog for GE course selection. United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR). USCIP requirement can be satisfied by some (but not all) courses within GE categories: C3, C4, D1, D3, or D4.
4. **Course can be taken previously or concurrently.
5. * Course can be taken anytime during Freshman Year.
6. ** Course is required. Can be taken anytime during Freshman Year.
7. Oral Communication: COMS 101/102 (4)** can be taken anytime during Freshman Year.
8. Technical Writing: ENGL 149 (4)** can be taken anytime during the Fall of Freshman Year.
9. Graduation Writing Requirement (GWR): EE 201 (3) may be taken any time after 90 earned units.
10. Expository Writing: ENGL 133/134 (4)** can be taken anytime during Freshman Year.

### Legend:

- **Major (60)**
- **Support (77-78)**
- **GE Area (22)**
- **General Ed. (40)**

### Additional Notes:

- Students interested in the mechatronics concentration should complete the following courses by the end of their junior year:
  - ME 343, ME 347, and ME 329
  - EE 321 and EE 361 (Lab)
  - ECON 201

- Concentration Elective: IME 356

- Robotics: Fundamentals and Applications: ME 423

- Mechatronics: ME 404

- Mechantronics: ME 450 (ME 305 and ME 361 or CPE/EE 329 & CPE/CSC 369, or tech. consent)

- Mechanical Systems: ME 422

- Mechanical Control Systems: ME 422

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