# B.S. in Manufacturing Engineering

## Suggested 4-Year Academic Flowchart

<table>
<thead>
<tr>
<th>FRESHMAN</th>
<th>SPRING</th>
<th>FALL</th>
<th>SOPHOMORE</th>
<th>SPRING</th>
<th>FALL</th>
<th>JUNIOR</th>
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<th>SENIOR</th>
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<tr>
<td>Winter</td>
<td>Graphics Communication &amp; Modeling IME 140 (2)</td>
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<td>Spring</td>
<td>Basic Electronics Manufacturing IME 156 (2)</td>
<td>Calculus I MATH 141(4)</td>
<td>Calculus II MATH 142(4)</td>
<td>Calculus III MATH 244(4)</td>
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<td>Winter</td>
<td>General Physics II PHYS 132(4)</td>
<td>General Physics III PHYS 133(4)</td>
<td>Engineering Statics ME 211(3)</td>
<td>Electric Circuit Theory EE 201(3)</td>
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<td>Spring</td>
<td>General Physics IA PHYS 141(4)</td>
<td>General Physics IA PHYS 142(4)</td>
<td>Engineering Dynamics ME 212(3)</td>
<td>Electricity Circuits Laboratory EE 251(1)</td>
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<td>Fall</td>
<td>Linear Analysis I MATH 246(4)</td>
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## Courses

- **Fall:** CEA Madrid, Spain
- **Spring:** TECNUN, Spain
- **Summer:** CEA Barcelona, Spain
- **Fall:** KTH, Sweden
- **Spring:** TECNUN, Spain
- **Summer:** Lucerne, Switzerland

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**Notes:**

- Summer: CEA IP Queretaro, Mexico
- Fall: CEA Barcelona, Spain
- Cal Poly Affiliated Programs

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**Academic Flowchart:**

- **Total Credits:** 192
- **Required Courses:**
  - MATH 241 (4)
  - CHEM 125 (4)
  - EE 201 (3)
  - MATE 210 (3)
  - ME 211 (3)
  - STAT 321 (4)
  - IME 142 (4)
  - IME 144 (4)

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**Additional Information:**

- Students can attempt to fulfill the requirement after 90 earned units.
- Students should complete the requirement before senior year.
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- Students should complete the requirement before senior year.

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**Graduation Writing Requirement (GWR):**

Students can attempt to fulfill the requirement after 90 earned units.

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**Technical Writing (ENGL 144/145)**

**Communication (COMS 101/102)**

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**Acknowledgements:**

- Fall: CEA Madrid, Spain
- Spring: Munich, Germany
- Summer: TECNUN, Spain
- Fall: CEA Barcelona, Spain
- **Fall:** CEA Madrid, Spain
- **Spring:** TECNUN, Spain
- **Summer:** Lucerne, Switzerland

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**19-20.52MFGEBSU**

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**Updated 8/27/2019**