The Academic Senate approved the following programatic exceptions to General Education requirements for the Engineering Department:

**Segment I:**

Quantitative Reasoning 3 units

Oral Communication 3 units

Written Communication fulfilled by English 1141 3 units

Waiver of Critical Thinking Requirement (see footnote 3 for justification)²

**Segment II:**
<table>
<thead>
<tr>
<th>Behavioral &amp; Social Sciences</th>
<th>9 units of BSS cluster work plus 3 units for Statutory Requirement(^1)</th>
<th>12 units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities &amp; Creative Arts</td>
<td>6 units of Segment HCA offerings(^5), plus English or Alternate 214 accepted, plus waiver to Active Participation(^1,4)</td>
<td>9 units</td>
</tr>
<tr>
<td>Physical &amp; Biological Sciences</td>
<td>12 units Physical Sciences(^6) (Chem. 111, 112; 113, Phys. 141)</td>
<td>12 units</td>
</tr>
</tbody>
</table>

NOTE: Engineering majors are of course expected to fulfilled the American Ethnic Heritage and Lifelong Development requirements in the process of taking the Segment II work as indicated above.

**Segment III:**

6 units of Segment III work in a cluster necessarily composed of a humanities course or emphasis and a biological science course or emphasis\(^5\). 6 units
NOTE: Naturally the student is expected to fulfill the C.E.D. requirement in the process of taking the 6 units Segment III cluster.

DOUBLE-COUNTING: With respect to double-counting: 15 units will be permitted to be double-counted¹.

¹This is a recommended exception to our local policy.

²This is a recommended exception to Title 5.

³Much work in Engineering major courses involves processes and development in critical thinking and problem-solving skills and competencies. We follow the successful model of San Jose State in agreeing that this is a sensible and valid accommodation.

⁴Many activities in the Engineering curriculum involve significant hands-on experience with graphics and design. It is our judgment that the functional equivalent of this good General Education requirement is fulfilled by these integral major activities.

⁵Segment III cluster must contain a humanities course in order to achieve the requisite 12 unit total.

⁶Segment III cluster must contain a biological science course thus fulfilling Title 5’s science prescriptions.