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

**Segment I:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Units</th>
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<tbody>
<tr>
<td>Quantitative Reasoning</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Written Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Written Communication fulfilled by English 1141

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

**Segment II:**
Behavioral & Social Sciences  
9 units of BSS cluster work plus 3 units for Statutory Requirement\(^1\)  
12 units

Humanities & Creative Arts  
6 units of Segment HCA offerings\(^5\), plus English or Alternate 214 accepted, plus waiver to Active Participation\(^1, 4\)  
9 units

Physical & Biological Sciences  
12 units Physical Sciences\(^6\) (Chem. 111, 112, 113, Phys. 141)  
12 units

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-counted.\(^1\)

\(^1\)This is a recommended exception to our local policy.

\(^2\)This is a recommended exception to Title 5.

\(^3\)Much 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.

\(^4\)Many 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.

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

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