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 114\(^{1}\) 3 units
- Waiver of Critical Thinking Requirement (see footnote 3 for justification)\(^{2}\)

**Segment II:**

- Behavioral & Social Sciences 9 units of BSS cluster work plus 3 units for Statutory Requirement\(^{3}\) 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)

NOTE: Engineering majors are of course expected to fulfill 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.

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