All transfer applicants must have a minimum of **60 transferable semester (90 quarter) units** completed prior to transfer. For Fall Term admission, applicants must have the coursework completed no later than the end of the previous Spring Term. It is not expected that transfer students to this major will have full completion of all G.E. requirements. *Students are strongly encouraged to meet with a Cabrillo counselor to prepare an individual education plan.* Information contained here is subject to change. User should verify using www.assist.org.

### Physics
- CHEM 1A
- MATH 5ABC, 6, 7

### Chemistry
- CHEM 1A
- MATH 5ABC, 6, 7

### Calculus/Diff. Eq./Lin Alg.
- ENGR 5
- ENGR 10
- ENGR 35

### Intro. Engr
- ENGR 30 or CS 11

### Statics
- ENGR 15

### Comp/Other
- ENGR 45

### Electrical Circuits
- ENGR 25 & ENGR 26

### Materials
- ENGR 25 & ENGR 26

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<td>4ABC</td>
<td>CHEM 1A</td>
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<td>CS 11</td>
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<td>CS 11</td>
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<td>4AB</td>
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<td>ENGR 10</td>
<td>CS 19 &amp; 21</td>
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<td>ENGR 10</td>
<td>ENGR 35</td>
<td>CS 19 &amp; CS 20J</td>
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<td>Software</td>
<td>4AB</td>
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<td>ENGR 25 &amp; ENGR 26</td>
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1. Take BIO 1ABC
2. Take ENGR 1A (surveying). May substitute Engr 26 and Engr 30 for CS 11.
3. Student needs to know both Java and C++ but upper division emphasis is on Java. Major needs 11 units of science from B1, B2, and B3. See assist.org for choice list.
4. Not required in LD but recommended by Cabrillo.
5. Engr 12 required.
6. For a B.S. degree also take Math 6
7. Major must take Bio 11A

NECs for Geol 2

### General Education

**SJSU Engineering Admission Requirements:**

- 60 CSU transferable units
- Speech Communication – (COMM 1 recommended)
- English Composition (Engl 1A)
- Engl 1B strongly encouraged prior to transfer
If taking Engl 1B at Community College, student should take the Writing Skills Test (WST) at SJSU immediately after completion even though they may not be ready to transfer.

**Suggested GE:**

The following GE courses represent a starting point in planning general education. These are courses that will help meet minimum admission and general education requirements for most transfer institutions, but may not meet all admission requirements. NOTE: English 2 or English 1A (as well as other GE courses) may also be required, depending on your specific goals. IMPORTANT: You must meet with a counselor to confirm the needed and most appropriate GE courses.

- Comm 1
- English 1A/1AH/1AMC/1AMCH
- English 1B
- Political Science 1 or 5

*Students should see a Cabrillo counselor about other GE graduation requirements needed for SJSU.*

**GE Notes:**
1. Critical Thinking requirement is waived for engineering students at SJSU.
2. Area B2 (Life Forms) is waived for engineering students at SJSU except for Software or Computer Engineering
3. Physical Education waived for Engineering

Although only 70 units of transfer work will count towards the total units for SJSU graduation, all requirements will be counted for content credit. So for example if a student completed all the lower div GE and all the lower div math, science and engineering, it will add up to more than 70 units. All of these courses will count as meeting content requirements.

*April 2016*