### BS Degree in Civil Engineering (671703)

**Minimum Number of Units in Major:** 99

**Degree Roadmap: Bulletin Year 2006 - 2007**

#### 1st Semester
- **Basic Information Competence**
  - Written English Proficiency (also satisfies GE I Written Communications)  
    - ENG 114  
    - 3 units
- **US History or US Government and California** (May be satisfied by waiver exams)  
  - MATH 226  
  - 4 units
- **GE I Quantitative Reasoning also satisfies Major**  
  - CHEM 115  
  - 5 units
- **Major**  
  - ENGR 100  
  - 1 unit
- **Major**  
  - ENGR 101  
  - 1 unit

**1st Semester Total:** 14 to 17 units

**Note:** Review the Bulletin for GE II requirements in the following areas: LLD-Lifelong Development; AERM-American Ethnic and Racial Minorities; L/F-Laboratory or Fieldwork.

#### 2nd Semester
- **GE 1 Oral Communication**  
  - PHYS 220  
  - 3 units
- **Major (also satisfies GE II Physical and Biological Sciences)**  
  - PHYS 222  
  - 1 unit
- **Major**  
  - ENGR 103  
  - 1 unit
- **Major**  
  - ENGR 106  
  - 1 unit

**2nd Semester Total:** 16 units

#### 3rd Semester
- **Written English Proficiency (also satisfies GE II Humanities and Creative Arts)**  
  - ENGR 214  
  - 3 units
- **Major (also satisfies GE II Physical Biological Sciences)**  
  - PHYS 230  
  - 3 units
- **Major**  
  - PHYS 232  
  - 1 unit
- **Major**  
  - MATH 228  
  - 4 units
- **Major**  
  - ENGR 102  
  - 3 units
- **Major**  
  - ENGR 200  
  - 3 units

**3rd Semester Total:** 17 units

**Note:** Take JEPET after 48 units earned to satisfy Written English Proficiency.

#### 4th Semester
- **Major**  
  - MATH 245  
  - 3 units
- **Major**  
  - PHYS 240  
  - 3 units
- **Major**  
  - PHYS 242  
  - 1 unit
- **Major**  
  - ENGR 201  
  - 3 units
- **Major**  
  - ENGR 205  
  - 3 units
- **Major Elective**  
  - ENGR 235  
  - 3 units

**4th Semester Total:** 16 units

#### 5th Semester
- **GE 2 Behavioral and Social Sciences**  
  - ENGR 300  
  - 3 units
- **GE 2 Humanities and Creative Arts (Category A or B or C or E)**  
  - ENGR 304  
  - 3 units
- **Major**  
  - ENGR 309  
  - 3 units
- **Major**  
  - ENGR 436  
  - 1 unit

**5th Semester Total:** 16 units

#### 6th Semester
- **Written English Proficiency (if required)**  
  - ENGR 414  
  - 0 to 3 units
- **GE 2 Behavioral and Social Sciences**  
  - ENGR 302  
  - 1 unit
- **Major**  
  - ENGR 323  
  - 3 units
- **Major**  
  - ENGR 429  
  - 3 units
- **Major**  
  - ENGR 430  
  - 3 units
- **Major**  
  - ENGR 434  
  - 3 units

**6th Semester Total:** 16 to 19 units

#### 7th Semester
- **GE 3 (See Note 1 for special rules for Engineering Majors.)**  
  - ENGR 696  
  - 3 units
- **Major Elective**  
  - ENGR 696  
  - 1 unit
- **Major Elective**  
  - ENGR 696  
  - 1 unit
- **Major Elective**  
  - ENGR 696  
  - 1 unit
- **Major Elective**  
  - ENGR 696  
  - 1 unit

**7th Semester Total:** 16 units
# BS Degree in Civil Engineering (671703)

Minimum Number of Units in Major = 99

**8th Semester Requirements**

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<th>Requirement</th>
<th>Recommended Courses</th>
<th>Units</th>
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</table>

8th Semester Total 19

Note: 1. Special GE III requirements and courses have been developed specifically for Engineering majors and must be used for your degree. For complete information on all GE III refer to: [http://engineering.sfsu.edu/academics/general_education/segment_III_clusters_approved.html](http://engineering.sfsu.edu/academics/general_education/segment_III_clusters_approved.html)

Consult with a major advisor regarding appropriate course sequencing if you cannot take all of the recommended courses in a particular semester.

Department Website: [http://engineering.sfsu.edu/academics/undergraduate/major/civil/overview_and_description.html](http://engineering.sfsu.edu/academics/undergraduate/major/civil/overview_and_description.html)