### B.S. DEGREE

**BIOMEDICAL ENGINEERING**

**CAL POLY**

**SAN LUIS OBISPO**

2009-11

( ) = Prerequisites

c = Prereq. or Concurrent

† = or instructor consent

**FRESHMAN**

<table>
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<tr>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
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<tbody>
<tr>
<td>15 units</td>
<td>15 units</td>
<td>15-16 units</td>
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- Intr. To Engr.  
  ENGR 110
- Calculus I  
  MATH 141
- Gen. Physics I  
  PHYS 141
- Gen. Chem  
  CHEM 124
- *Writing: Expo  
  ENGL 134

**SOPHMORE**

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<td>19 units</td>
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- Intr. BMED Design  
  BMED 212
- Calculus II  
  MATH 142
- Gen. Physics II  
  PHYS 132
- Fund. CSC  
  CSC 200
- *Communication  
  COMS 101/102

**JUNIOR**

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- Engr. Statics  
  ME 211
- Calculus III  
  MATH 143
- Gen. Physics III  
  PHYS 133
- Technical Writing  
  *ENGL 149
- Comparative Social Institutions  
  D3

**SENIOR**

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<th>Winter</th>
<th>Spring</th>
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<td>16 units</td>
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- Mechanics of Materials  
  CE 204
- Linear Analysis  
  MATH 244
- Electric Circuit  
  EE 201
- Engr. Dynamics  
  ME 212
- *Political Economy  
  D2
- *American Experience  
  D1
- *Literature  
  C1
- *Advisor Approved Technical Elective II
- *Advisor Approved Technical Elective I
- *Advisor Approved Technical Elective IV

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* The placement of these courses does not imply that they must be taken in the quarter indicated. Subject to satisfaction of prerequisites, courses can be taken at a time convenient for the student and a time which meshes with the ability of the offering department to meet demand. Please note that this course sequence is not THE path to the BMED BS degree, it is a path to the BMED BS degree.

**USCP**

- Bio  
  Bio161
- Intro to Cell Mol. Bio
- Engr. Dynamics
- ME 212
- MATH 241 & ME 211
- Comparative Social Institutions
- D3
- *American Experience
- D1
- *Advisor Approved Technical Elective II
- *Advisor Approved Technical Elective I
- *Advisor Approved Technical Elective IV
- *Writing: Expo
- ENGL 134
- A1

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**GWR**

- Comparative Social Institutions
- D3
- *Writing: Expo
- ENGL 134
- A1

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**Check for automatic substitutions at** [http://www.eadvise@calpoly.edu](http://www.eadvise@calpoly.edu)

BMED 2009-2011 flow Chart.doc