## B.S. in BIOMEDICAL ENGINEERING

### General Curriculum

Suggested 2 Year Academic Flowchart for Transfer Students

This Transfer Student Flowchart assumes equivalents for the courses below have been transferred to Cal Poly. Anything not transferred in needs to be added to this flowchart, which may result in an additional quarter(s). Check your DPR to verify credit:

- MATH 141 = GE AREA A1
- MATH 142 = GE AREA A2
- MATH 143 = GE AREA C1
- MATH 241 = GE AREA C2
- PHYS 141 = GE AREA D1
- PHYS 132 = GE AREA D2
- PHYS 133 = GE AREA D ELECTIVE
- CHEM 124 = GE AREA E
- CHEM 125
- BIO 161 (B2)
- BIO 231 or BIO 232
- ENGL 149 (A3)
- ME 211
- ME 212
- CSC 231
- EE 201
- MATE 210
- CE 204
- ME 228§

### Notes:

**MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET**

* Refer to current catalog for prerequisites.

**Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).**

USCP requirement can be satisfied by some (but not all) courses within GE categories: C1, Upper-Division C, D1, D2, D Elective and E.

† Course can be taken previously or concurrently.

‡ ME 228 only required for the General Curriculum and the Mechanical Design Concentration.

§CE 207 or EE 321 is required for the General Curriculum. CE 207 is required for the Mechanical Design Concentration.

* Refer to current catalog for course selection. Support electives must total 12 units.

* Refer to current catalog for course selection. Technical electives must total 12 units.

**ENGR 459, ENGR 460, and BMED 400 (8 units) or ENGR 463 464, 465, and BMED 400 (8) may substitute for BMED 455 and BMED 456 (8).**

---

### Legend:

- **Major**
- **Support**
- **General Ed.**
- **[GE Area]**

### Course Title

<table>
<thead>
<tr>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMED 101 (1)</td>
<td>BMED 102 (1)</td>
<td>Introduction to Biomedical Engineering Major</td>
</tr>
<tr>
<td>BMED 310 (4)</td>
<td>BMED 311 (4)</td>
<td>Biomedical Engineering Measurement and Analysis</td>
</tr>
<tr>
<td>STAT 312 (4)</td>
<td>ME 302 (3)</td>
<td>Statistical Methods for Engineers</td>
</tr>
<tr>
<td>ME 410 (4)</td>
<td>Biomechanics</td>
<td></td>
</tr>
<tr>
<td>BMED 430 (2)</td>
<td>BMED 431 (3)</td>
<td>Biomedical Engineering Measurement and Analysis</td>
</tr>
<tr>
<td>BMED 440 (4)</td>
<td>BMED 445 (4)</td>
<td>Biomedical Engineering Design I</td>
</tr>
<tr>
<td>BMED 450 (4)</td>
<td>BMED 455 (4)</td>
<td>Biomedical Engineering Design II: Senior Project</td>
</tr>
<tr>
<td>BMED 456 (4)</td>
<td>BMED 457 (4)</td>
<td>Biomedical Engineering Design III: Senior Project</td>
</tr>
<tr>
<td>BMED 460 (4)</td>
<td>BMED 465 (4)</td>
<td>Biomedical Engineering Electronics</td>
</tr>
<tr>
<td>BMED 470 (4)</td>
<td>BMED 475 (4)</td>
<td>Biomedical Engineering Electronics</td>
</tr>
<tr>
<td>BMED 480 (4)</td>
<td>BMED 485 (4)</td>
<td>Biomedical Engineering Electronics</td>
</tr>
<tr>
<td>BMED 490 (4)</td>
<td>BMED 495 (4)</td>
<td>Biomedical Engineering Electronics</td>
</tr>
</tbody>
</table>

### Graduation Writing Requirement

**GWR**

(Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year.)

12+ 14 14-15 15 16 12+