

BIOMEDICAL ENGINEERING CURRICULUM

(students entering Fall 07 – Fall 08)

Name: _____ Year Entered: _____ ID# _____
 Focus Area [Track]: Bioinstrumentation Date: _____

Minimum of **50** credits of engineering courses and a total of **132** credits are required for the BME degree.

| <u>BME Core Courses required of all students</u> | <u>semester</u> | <u>credits</u> |
|--|-----------------|-----------------------|
| FED 101 Fundamentals of Engrg Design | _____ | 2 |
| BME 105/106 (ST: Survey of Physiology) | _____ | 3# |
| BME 301 Electrical Found. of Biomed Eng | _____ | 3 |
| BME 302 Mechanical Found. of Biomed Eng | _____ | 3 |
| BME 303 Biol/Chem Found of Biomed Eng | _____ | 3# |
| BME 310 Biomedical Computing | _____ | 3 |
| BME 381 Engineering Models in Physiology I | _____ | 3 |
| BME 382 Engineering Models in Physiology II | _____ | 3 * choose two |
| BME 383 Engineering Physiology Lab | _____ | 3 |
| BME 495 Capstone Design I | _____ | 3 |
| BME 496 Capstone Design II | _____ | 3 |

BME Core credits earned ___/29 **Engrg credits earned** ___/23

Math/Science/GUR core required of all students

| | | |
|------------------------------------|--|-----------------------------------|
| Math 111 ¹ _____ | Math 112 _____ | Math 211 _____ |
| Math 222 _____ | Math 279 or 225* _____ | Math 337 _____ |
| CIS 101 _____ | Phys 111 ^{2,3} _____ | Phys 121 ³ _____ |
| Chem 125 ⁴ _____ | Chem 126 ⁴ _____ | Chem 124 _____ |
| Chem 243 _____ | Hum/Hist ⁵ _____ | Hum/Hist ⁵ _____ |
| Hum/Hist ⁵ _____ | HSS/SS/STS ⁶ _____ | HSS/SS/STS ⁶ _____ |
| Mgmt 390 _____ | Lit/Phil/Hist/STS upper ⁷ _____ | Open Hum upper ⁸ _____ |
| CapstoneSeminar ⁹ _____ | Phys Ed 1 _____ | Phys Ed 2 _____ |

M/S/GUR credits earned ___/69

- Non-engineering

* - For students entering Fall 07 only

1 - Math courses below 111 do not count toward the degree.

2 - Physics 105 and Physics 106 are equivalent to Physics 111. Physics 105 is additive credit.

3 - Physics 111 and Physics 121 are taken with Physics xxxA[lab] and xxxW[workshop].

4 - Chem 121, Chem 122 and Chem 123 are equivalent to Chem 125 and Chem 126. Chem 121 is additive credit.

5 - Three 100/200 level courses, including two courses in communication (Hum) and one in cultural history (Hist)

6 - Two 100/200 level courses in economics, environmental studies, political science, psychology, sociology, STS

7 - One 300-level course in literature; history; philosophy; or STS.

8 - One upper division (300/400) course in English, theater, literature, history, philosophy, or STS

9 - HSS 403-409 or HSS 491H-499H for Honors Students.

Track Requirements: [34 credit minimum; 27 engrg credit minimum; courses are 3-credits, unless noted];

| | | |
|---------------|------------------------------|-----------------------|
| BME 333 _____ | ECE 251 _____ | Engrg Elective: _____ |
| BME 372 _____ | ECE 252 _____ | Elective: _____ |
| BME 373 _____ | BME 498 (Bioinst Lab): _____ | Elective: _____ |
| BME 489 _____ | Engrg Elective: _____ | Elective: _____ |

#non-engineering course

Track credits earned ___/34 **Engrg credits earned** ___/27
Total Degree credits ___/132 **Total Engrg credits** ___/50

 Adviser Date

 Student Date

(rev: 7/08)