

BIOMEDICAL ENGINEERING CURRICULUM

(students entering Fall 04-Spring 07)

Name: _____ Year Entered _____ ID# _____

Date _____ Focus Area [Track]: _____

BME Courses required of all students	semester	credits
BME 101 Intro to Biomed Eng	_____	0
FED 101 Fundamentals of Engrg Design	_____	2*
BME 105 Survey of Physiology I	_____	2
BME 106 Survey of Physiology II	_____	1
BME 301 Electrical Found. of Biomed Eng	_____	4*
BME 302 Mechanical Found. of Biomed Eng	_____	4*
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*
BME 495 Capstone Design I	_____	2*
BME 496 Capstone Design II	_____	2* [29cr][*23Engrg]

Math 111 ¹ _____	Math 112 _____	Math 211 _____
Math 222 _____	Math 333 or 225 _____	Math 337 _____
CS 101 ² _____	Phys 111 ^{3,4} _____	Phys 121 ⁴ _____
Chem 125 ⁵ _____	Chem 126 ⁵ _____	Chem 124 ⁶ _____
Chem 243 _____	Hum/Hist ⁷ _____	Hum/Hist ⁷ _____
Hum/Hist ⁷ _____	HSS/SS/STS ⁸ _____	HSS/SS/STS ⁸ _____
Mgmt 390 _____	Lit/Phil/Hist/STS upper ⁹ _____	Open Hum upper ¹⁰ _____
CapstoneSeminar ¹¹ _____	Phys Ed 1 _____ Phys Ed 2 _____	[70cr; 68 if Math 225]

- 1 – Math courses below 111 do not count toward the degree.
- 2 - CIS 113 is acceptable.
- 3 - Physics 105 and Physics 106 are equivalent to Physics 111. Physics 105 is additive credit.
- 4 - Physics 111 and Physics 121 are taken with Physics xxxA[lab] and xxxW[workshop].
- 5 - Chem 121, Chem 122 and Chem 123 are equivalent to Chem 125 and Chem 126. Chem 121 is additive credit.
- 6 - Chem 124 is the freshman chemistry lab.
- 7 – Three 100/200 level courses, including one course in communication (Hum) and one in cultural history (Hist)
- 8 – Two 100/200 level courses in economics, environmental studies, political science, psychology, sociology, STS
- 9 - One 300-level course in literature; history; philosophy; or STS.
- 10 – One upper division (300/400) course in English, theater, literature, history, philosophy, or STS
- 11 - HSS 403-409 or HSS 491H-499H for Honors Students.

Track Courses [32 additional credits if Math 333 (34 if Math 225); at least 27 in engineering];

Additional courses

*- **50** credits of engineering courses and a total of **131** credits are required for the BME degree.
 #- Biology I and II replace BME 303.

 Advisor

 Student

(rev: 1/26/07)