

BIOMEDICAL ENGINEERING CURRICULUM

(students entering Fall 07-Fall 08)

Name: _____ Year Entered: _____ ID# _____
 Focus Area [Track]: Tissue Engineering 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

<u>Math/Science/GUR core required of all students</u>		
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 420 _____	MECH 320 _____	Chem 244# _____	Elective#: _____
BME 422 _____	ChE 210 (2cr) _____	BME 385 _____	
BME 427 _____	ChE 230 _____	Engrg Elective: _____	
BME 430 _____	MTSE 301 _____		

#non-engineering course _____ **Track credits earned ___/34** **Engrg credits earned ___/27**
Total Degree credits ___/132 **Total Engrg credits ___/ 50**