

# BIOMEDICAL ENGINEERING CURRICULUM

(students entering Fall 03-Spring 04)

Name: \_\_\_\_\_ Year entered \_\_\_\_\_ SS# \_\_\_\_\_

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 102 Survey of Physiology	_____	2
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*
Physiology I – BME 381	_____	3*
Physiology II – BME 382	_____	3*
Capstone Design I – BME 495	_____	1*
Capstone Design II – BME 496	_____	3* [28cr][23Engrg]

HSS 101 <sup>1</sup> _____	HSS 202 <sup>2</sup> _____	
Math 111 <sup>3</sup> _____	Math 112 _____	Math 211 _____
Math 222 _____	Math 333 _____	Math 337 _____
CIS 101 <sup>4</sup> _____	Phys 111 <sup>5,6</sup> _____	Phys 121 <sup>6</sup> _____
HSS 211-213 <sup>8</sup> _____	HSS 211-213 <sup>7</sup> _____	SS 201 <sup>8</sup> _____
Mgmt 390 _____	Chem 125 <sup>9</sup> _____	Chem 126 <sup>9</sup> _____
Chem 124 <sup>10</sup> _____	Hum/SS upper _____	Chem 337 or 243 _____
CapstoneSeminar <sup>11</sup> _____	Lit/Phil/Hist/STS upper level _____	
Phys Ed 1 _____	Phys Ed 2 _____	[70cr]

- 1 - HSS 099 and HSS 100 satisfies HSS 101.
- 2 - May also be satisfied with STS 257 or STS 258 or other approved courses.
- 3 - Math courses below 111 do not count toward the degree.
- 4 - CIS 113 is acceptable.
- 5 - Physics 105 and Physics 106 are equivalent to Physics 111. Physics 105 is additive credit.
- 6 - Physics 111 and Physics 121 are taken with Physics xxxA[lab] and xxxW[workshop].
- 7 - Two of the three courses are required.
- 8 - May also be satisfied by Econ 265 or Econ 266
- 9 - Chem 121, Chem 122 and Chem 123 are equivalent to Chem 125 and Chem 126. Chem 121 is additive credit.
- 10 - Chem 124 is the freshman chemistry lab.
- 11 - HSS 403-409 or HSS 491H-499H for Honors Students.

Track Courses [33 additional credits; 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 and Organic Chemistry I and II replace BME 303.

\_\_\_\_\_  
Adviser

\_\_\_\_\_  
Student (rev: 9/26/06)