

ENGINEERING SCIENCE – ACCELERATED CURRICULUM

(students entering Fall 04-Sp 07)

Name: _____ Year Entered _____ SS# _____

Date _____

<u>BME Courses required for Concentration</u>	<u>semester</u>	<u>credits</u>
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*
Two of the following three:		
BME 310 Biomedical Computing	_____	3*
BME 381 Engineering Physiology I	_____	3*
BME 382 Engineering Physiology II	_____	3*
 BME 3xx or BME 4xx	 _____	 3*

[20cr][17Engrg]

Math 111 ¹ _____	Math 112 _____	Math 211 _____
Math 222 _____	Math 333 _____	
CS 101 ² _____	Phys 111 ^{3,4} _____	Phys 121 ⁴ _____
Chem 125 ⁵ _____	Chem 126 ⁵ _____	Chem 124 ⁶ _____
Chem 243 _____	Chem 244 _____	Chem 244A _____
Bio 101 _____	Bio 102 _____	Hum/Hist ⁷ _____
Hum/Hist ⁷ _____	Hum/Hist ⁷ _____	HSS/SS/STS ⁸ _____
HSS/SS/STS ⁸ _____	Mgmt 390 _____	Phil 351 ⁹ _____
Open Hum upper ¹⁰ _____	CapstoneSeminar ¹¹ _____	Phys Ed 1 _____ Phys Ed 2 _____

[80cr]

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 Hum 101 and Hum 102 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.

Additional Courses[15 additional credits; at least 13 credits in engineering]

*- **30** credits of engineering courses and a total of **136** credits are required for the BME degree; 115 are completed at NJIT and 23 in the first year of professional school.

Adviser

Student

(rev: 10/26/06)