

BIOLOGICAL ENGINEERING

Sample 8-Semester Plan

Fall Semester**Spring Semester****Freshman Year**

MATH 1910, Calculus I	4	MATH 1920, Calculus II	4
BEE 1510, Intro Computer Prog	4	PHYS 1112, Mechanics	4
Intro Biology ^a	3	Intro Biology ^a	3
BIOG 1500, Bio Lab ^a	2	BEE 1200 ^b , The BEE Experience	1
First Year Writing Seminar	3	First Year Writing Seminar	3
	<u>16</u>		<u>15</u>

Sophomore Year

MATH 2930, Differential Equations	4	MATH 2940, Linear Algebra	4
PHYS 2213, Electromagnetism	4	CHEM 1570, Organic Chemistry	3
CHEM 2070 or 2090, Gen Chem	4	BEE 2220, Biokinetics and Thermo	3
BEE 2510 or BEE 2600, MEB ^c	3	Liberal Studies Elective	3
		ENGRD 2020, Mech of Solids	4
	<u>15</u>		<u>17</u>

Junior Year

BEE 3500, Bio & Env Trans Proc	3	Bio. Sci. Elective, upper level	3
BEE 3310, Bio-Fluid Mechanics	4	Biological Engineering Elective	3
BIOMG 3300, Biochemistry	4	Biological Engineering Elective	3
CEE 3040, Uncertainty Analysis	4	Concentration Elective	3/4
Liberal Studies Elective	3	Liberal Studies Elective	3
	<u>18</u>		<u>15/16</u>

Senior Year

Concentration Elective	3/4	Concentration Elective	3/4
Biological Engineering Elective	3	Biological Engineering Elective	3
Biological Engineering Elective	3	Biological Engineering Elective	3
Approved Elective	3	Approved Elective	3
Liberal Studies Elective	3	Liberal Studies Elective	3
Liberal Studies Elective	3		
	<u>18/19</u>		<u>15/16</u>

^aStudents choose two of the following four courses: BIOMG 1350, BIOG 1440, BIOG 1445 or BIOEE 1610 plus BIOG 1500. BIOG 1500 may be taken in the spring term.

^bBEE 1200 is not required of students who have taken an ENGRI 1XXX course.

^cMass and Energy Balances with a biological (BEE 2600) or environmental (BEE 2510) focus.

Minimum degree credits = 126