

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 to Computer Prog	4	PHYS 1112, Mechanics	4
BIOG 1101 ^a , Intro Biology Lec	2	BIOG 1102 ^a , Intro Biology Lec	2
BIOG 1103 ^a , Intro Biology Lab	2	BIOG 1104 ^a , Intro Biology Lab	2
First Year Writing Seminar	3	BEE 1200 ^b , The BEE Experience	1
		First Year Writing Seminar	3
		CS 1130, Transition to Object-Oriented Programming	1
	<hr/> 15		<hr/> 17

Sophomore Year

MATH 2930, Differential Equations	4	MATH 2940, Linear Algebra	4
PHYS 2213, Heat/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, Eng I	3	Liberal Studies Elective	3
		ENGRD 2020, Mech of Solids	4
	<hr/> 15		<hr/> 17

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
BIOBM 3300, Biochemistry	4	Biological Engineering Elective	3
CEE 3040, Uncertainty Analysis	4	Concentration Elective	3/4
Liberal Studies Elective	3	Liberal Studies Elective	3
	<hr/> 18		<hr/> 15/16

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		
	<hr/> 18/19		<hr/> 15/16

^aStudents may take BIOG 1109/1110. A lab-based advanced biology course is recommended for those taking BIOG 1109/1110 for introductory biology.

^bBEE 1200 is not required of students who have taken ENGRG 1050.

Minimum degree credits = 127