

BIOLOGICAL ENGINEERING PROGRAM PROGRESS FORM
 Applies to students matriculating in the Fall Semester of 2008 or later.

Name: _____
 E-mail: _____
 Minor: _____
 Concentration: _____

Empl ID: _____
 Advisor: _____
 Anticipated Graduation Date: _____
 Double Major: _____

Course Title and Required Credits	Course (Credits)	Semester	Credits	Grade
1. Mathematics: 16 credits				
Calculus for Engineers I*	MATH 1910 (4)	_____	_____	_____
Calculus for Engineers II*	MATH 1920 (4)	_____	_____	_____
Engineering Math* (Differential Equations)	MATH 2930 (4)	_____	_____	_____
Engineering Math* (Linear Algebra)	MATH 2940 (4)	_____	_____	_____
*Must earn at least a C- or repeat course				
2. Physics: 8 credits				
Mechanics	PHYS 1112 (4)	_____	_____	_____
Heat/Electromagnetism	PHYS 2213 (4)	_____	_____	_____
3. Chemistry: 7 credits				
General Chemistry	CHEM 2070 or 2090 (4)	_____	_____	_____
Organic Chemistry	CHEM 1570 or 3570 (3)	_____	_____	_____
4. Biological Sciences: 15 credits				
Introductory Biological Science I	BIOG 1101/1103 (4) /1109 (3)	_____	_____	_____
Introductory Biological Science II	BIOG 1102/1104 (4) /1110 (3)	_____	_____	_____
Biochemistry or Microbiology		_____	_____	_____
BIOBM 3300 (4) or 3330 (4) or 3310+3320 (5) or BIOMI 2900 or CEE 4510				
Students following the Bioenvironmental Engineering Concentration are encouraged to include Microbiology				
Advanced Biol. Sci. Elective (to complete 15 credits)		_____	_____	_____
5. Written Expression (First Year Writing Seminars): 6 credits				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
6. Liberal Studies: 18 credits (Minimum of six courses in at least three of the six groups; at least two of six courses at or above 2000 level.)				
1. Cultural Analysis (CA)				
_____	_____	_____	_____	_____
2. Historical Analysis (HA)				
_____	_____	_____	_____	_____
3. Literature and the Arts (LA)				
_____	_____	_____	_____	_____
4. Knowledge, Cognition, and Moral Reasoning (KCM)				
_____	_____	_____	_____	_____
5. Social Behavior and Analysis (SBA)				
_____	_____	_____	_____	_____
6. Foreign Language (FL, not literature)				
_____	_____	_____	_____	_____

Course Title and Required Credits	Course (Credits)	Semester	Credits	Grade
7. Computer Programming: 5 credits				
Intro to Computer Programming	BEE 1510 or CS 1112 (4)	_____	_____	_____
Transition to Object-Oriented Programming	CS 1130 (1)	_____	_____	_____
8. Engineering Distribution and Field Courses: 46 credits				
<i>(a) Required Courses</i>				
Mechanics of Solids	ENGRD 2020 ^b (4)	_____	_____	_____
Engineering Statistics and Probability	ENGRD 2700 (3) or CEE 3040 (4)	_____	_____	_____
<i>(b) Biological Engineering Core Courses</i>				
The BEE Experience/Engineering Seminar	BEE 1200 or ENGRG 1050 ^a (1)	_____	_____	_____
Engineering Distribution**	BEE 2600 or BEE 2510 (3)	_____	_____	_____
Students following the Bioenvironmental Engineering concentration should include BEE 2510 and CEE 3510				
Biological and Env. Transport Processes	BEE 3500 (3)	_____	_____	_____
Bio-Fluid Mechanics/Fluid Mechanics	BEE 3310 or CEE 3310 (4)	_____	_____	_____
Thermodynamics	BEE 2220 or ENGRD 2210 (3)	_____	_____	_____
<i>(c) Biological Engineering Concentration</i>				
Three courses from one concentration (minimum of 9 credits)				
Concentration Elective I	_____	_____	_____	_____
Concentration Elective II	_____	_____	_____	_____
Concentration Elective III	_____	_____	_____	_____
<i>(d) Major-approved electives to complete 46 engineering credits</i>				
BEE and other Engineering courses at 2000 level or above				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
9. Approved Electives: 6 credits				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Minimum Credits Required: 127

_____ Technical Writing Course _____
 _____ Capstone Design Course _____
 _____ Laboratory Course _____

^aNo engineering credit for ENGRG 1050, credit is given in approved electives.

^bEngineering distribution requirement is satisfied by ENGRD 2020 and ENGRD 2510 or ENGRD 2600