

BIOLOGICAL SYSTEMS ENGINEERING: MACHINERY SYSTEMS ENGINEERING

FOUR-YEAR PLAN

SAMPLE BIOLOGICAL SYSTEMS ENGINEERING FOUR-YEAR PLAN—MACHINERY SYSTEMS ENGINEERING NAMED OPTION

First Year

Fall	Credits	Spring	Credits
MATH 221 ¹		5 MATH 222	4
CHEM 109 ²		5 BSE 170 or INTEREGR 170	2-3
LSC 100 (or other COMM A)		3 BSE 310	3
Humanities		3 Elective	3
		Ethnic Studies	3
16		15-16	

Second Year

Fall	Credits	Spring	Credits
MATH 234		4 BSE 308	1
BSE 249		3 BSE 349	3
E M A 201		3 M E 361	3
Biological Science Course		3 STAT 324	3
Elective		3 PHYSICS 202	5
16		15	

Third Year

Fall	Credits	Spring	Credits
BSE 270		3 BSE 365	3
BSE/M E 475		3 BSE/M E 476	3
MATH 320		3 BSE 508	2
M E 240		3 M E 310 or 311	3
M E 306		3 M E 363	3
M E/E M A 307		1 CALS International Studies	3
16		17	

Fourth Year

Fall	Credits	Spring	Credits
BSE 380		3 BSE 405	3
BSE 509		3 INTEREGR 397	3
M E 342		3 Technical Electives	6
AGRONOMY 100, DY SCI 101, or SOIL SCI 301		3-4 Humanities	3
BSE Breadth Requirement		3	
15-16		15	

Total Credits 125-127

Students must complete at least 125 total credits to be eligible for graduation.

1

MATH course dependent on placement score and transfer credit evaluation.

2

If CHEM 103 & CHEM 104 are taken in place of CHEM 109, it is suggested to take CHEM 103 in the fall semester and CHEM 104 in the spring semester of the first year.