FAMU COLLEGE OF AGRICULTURE + FOOD SCIENCES
FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY

BSE: Bioprocessing/Food Engineering

Perry-Paige Building
Room 204 South
850.599.8816

YEAR 1 FALL

Course	Title	Hours
ENC 1101	Freshman Communication Skills I	3
BSC 1010	Biology I	3
BSC 1010L	Biology I Lab	1
MAC 2311	Calculus I	4
ABE 1002	Biological Engineer. Terminology & Definitions	1
AMH 2091	Intro to African American History	3
	Semester Hours	15

YEAR 1 SPRING

Course	Title	Hours
HUM XXX	Humanities Elective I	3
CHM 1045	Chemistry I	3
CHM 1045L	Chemistry I Lab	1
MAC 2312	Calculus II	4
ABE 1010	Introduction to BSE	2
ABE 2001L	Intro to Computer Applications	2
	Semester Hours	15

YEAR 1 TOTAL 30

YEAR 2 FALL

Course	Title	Hours
PHY 2048	General Physics I	4
PHY 2049L	General Physics I Lab	1
BSC 1011	Biology II	2
CHM 1046	Chemistry II	3
CHM 1046L	Chemistry II Lab	1
ABE 2930	BSE Sophomore Seminar	1
ENC 1102	Freshman Communication Skills II	3
BSC1011L	Biology II Lab	2
	Semester Hours	17

YEAR 2 SPRING

Course	Title	Hours
PHY 2049	General Physics II	4
PHY 2049L	General Physics II Lab	1
MAC 2313	Calculus III	5
EGM 3502	Engineering Mechanics	4
ABE 2005	Computer Graphics for Engineers	2
	Semester Hours	16

YEAR 2 TOTAL 33

YEAR 3 FALL

Course	Title	Hours
CWR 3201	Hydraulics	3
ABE 3612C	Heat and Mass Transfer	3
*XXXX	Science, Math, or Engineering Elective	3
ABE 3614	Bio-Thermodynamics	2
ABE 3614L	Bio-Thermodynamics Lab	1
EEL 3003	Intro to Electrical Engineering	3
	Semester Hours	15

YEAR 3 SPRING

Course	Title	Hours
ABE 3650	Engineering Properties of Biological Materials	3
CHM 2210	Organic Chemistry	3
ABE 3212	Natural Resources Conservation Eng.	3
ABE 3013	Intro to Design Analysis	3
EGN 3613	Principles Engineering Economy	2
CHM 2210L	Organic Chemistry Lab	1
	Semester Hours	15

YEAR 3 TOTAL 30

YEAR 4 FALL

Course	Title	Hours
ABE 4042	Senior Design Project I	2
ABE 4812	Food and bioprocess Engineering	3
MAP 2302	Differential Equations	3
*XXXX	Engineering Elective	3
MCB 3010	Microbiology	4
	Semester Hours	15

YEAR 4 SPRING

Course	Title	Hours
ABE 4043	Senior Design Project II	2
ABE 4611	Environmental Modification and Control	3
ABE 4661	Biochemical Engineering	3
	Engineering or Science Elective	3
	Semester Hours	11

YEAR 4 TOTAL 26

CURRICULUM TOTAL 128