FINISH IN FOUR

College of: Engineering, Architecture & Technology Degree/Major: B.S. – Biosystems Engineering
Option: Bioprocessing & Food Processing Academic Year: 2017-2018

Proposed* Four-Year Degree Plan

Year One							
Fall Semester				Spring Semester			
HIST	1103	Survey of American History		CHEM	1414	General Chemistry for Engineers	
MATH	2144	Calculus I		PHYS	2014	General Physics I	
BAE	1012	Introduction to Biosystems Engineering		MATH	2153	Calculus II	
BIOL	1114	Introductory Biology		BAE	1022	Experimental Methods in Biosystems Eng	
ENGL	1113	Freshman Composition I		ENGL	1213	Freshman Composition II	
Total: 16 credit hours				Total: 16 credit hours			

Year Two							
Fall Semester				Spring Semester			
ENSC	2213	Thermodynamics		ENGR	1322	Engineering Design with CAD	
ENSC	2113	Statics		ENSC	2613	Introduction to Electrical Science	
PHYS	2114	General Physics II		ENSC	3233	Fluid Mechanics	
MATH	2163	Calculus III		MATH	2233	Differential Equations	
BAE	2013	Modeling in Biosystems Engineering		BAE	2023	Physical Properties of Biological Materials	
				POLS	1113	American Government	
Total: 16 credit hours				Total: 17 credit hours			

Year Three							
Fall Semester				Spring Semester			
ENSC	2143	Strength of Materials		BAE	3013	Heat & Mass Transfer Biological Systems	
BAE	3213	Energy & Power		BAE	3023	Instruments and Controls	
STAT	4073	Engr Stat with Design of Experiments		BIOC	2344	Chem & App of Biomolecules	
[2]A/H/N/S		3 hours		IEM	3503	Engineering Economic Analysis	
[1]D/H/I		3 hours		[1]S/I/D		3 hours	
Total: 15 credit hours				Total: 16 credit hours			

Year Four							
Fall Semester				Spring Semester			
BAE	4001	Professional Practice in Biosystems Eng		BAE	4023	Senior Engineering Design Project II	
BAE	4012	Senior Engineering Design Project I		BAE	4413	Food Engineering	
MICR	2123	Introduction to Microbiology		BAE	4283	Bioprocessing	
MICR	2132	Introduction of Microbiology Laboratory		[4]CONTR ELECTIVE		3 hours	
[4]CONTR ELECTIVE		3 hours		[4]CONTR ELECTIVE		3 hours	
[1]D/H/I		3 hours		[3]A/N		3 hours	
Total: 14 credit hours				Total: 18 credit hours			

Note 1: 6 hours (H), 3 hours (S), meet (I) and (D) requirements in the selection of (H) and (S) coursework.
Note 2: 3 hours (A), (H), (N), or (S)
Note 3: 3 hours (A) or (N)
Note 4: Controlled Elect – engineering &/or science electives to be selected from an approved list upon consultation with an advisor.
Total Hours = 128 hours
*This plan is an example of how a student may successfully complete degree requirements in four years. Students are responsible for completing requirements in the official degree sheet for each major. It is mandatory for a student to meet with an academic advisor prior to course enrollment each semester.