

BIOSYSTEMS ENGINEERING Program (5 Year Model)

Name: _____

Admitted to Biosystems Engineering **September 2017**

Student Number: _____

GRAD Check Completed ☐

Graduation Date: _____

FIRST YEAR				CH	YR Taken	GRADE					CH	YR Taken	GRADE	Term:		
	Complementary Studies Elective 1			3							ENG 1430	Engineering Design	3			TGPA:
CHEM 1300	Chemistry			3							ENG 1440	Engineering Statics	3			Ds & Fs:
COMP 1012	Comp Prog Eng			3							ENG 1450	Intro Elec & Comp Eng	3			Standing:
ENG 1460	Thermal Sciences			3								Written Requirement	3			
MATH 1510	Applied Calculus 1			3							MATH 1210	C/L Algebra	3			Term:
PHYS 1050	Physics			3							MATH 1710	Applied Calculus 2	3			TGPA:
SECOND YEAR				CH	YR Taken	GRADE					CH	YR Taken	GRADE	Ds & Fs:		
BIOE 2590	Biology for Engineers			3							BIOE 2480	Impact of Eng on Enviro	3			Standing:
BIOE 2900	Design 1			4							ENG 2022	Eng CAD Technology	3			
CHEM 1310	Intro Physical Chemistry			3							MATH 2132	Math Analysis 2	3			Term:
MBIO 1220	Essentials of Microbiology			3							STAT 2220	Statistics for Engineers	3			TGPA:
												Complementary Studies Elective 2	3			Ds & Fs:
THIRD YEAR				CH	YR Taken	GRADE					CH	YR Taken	GRADE	Standing:		
BIOE 2110	Transport Phenomenon			3							BIOE 2800	Solid Mechanics	4			Term:
BIOE 2790	Fluid Mechanics			4							MECH 2150	Mech. Eng. Modelling and Numerical	4			TGPA:
MATH 2130	Math Analysis 1			3								Science Elective (BIOL 1412 or BIOE 2600)	3/4			Ds & Fs:
	Science Elective (BIOL 1410 or SOIL 4060)			3/4												Standing:
FOURTH YEAR				CH	YR Taken	GRADE					CH	YR Taken	GRADE			
BIOE 3400	Des of Struc Comp Mach			4							BIOE 3270	Instrumentation for Biosys	4			Term:
BIOE 3590	Mechanics of Biomater			4							BIOE 3320	Eng Prop of Biolog Mater	4			TGPA:
BIOE 3900	Design 2			4							MECH 3482	Kinematics & Dynamics	4			Ds & Fs:
	Complementary Studies Elective 3			3/4								ANTH 2430, ENG 3020 or CIVL 4460	3			Standing:
												BIOE Design Elective 1	4			
FIFTH YEAR				CH	YR Taken	GRADE					CH	YR Taken	GRADE			
BIOE 4900	Design 3			4							BIOE 4950	Design 4	4			Term:
BIOE 4240	Graduation Project			3							ENG 3000	Engineering Economics	3			TGPA:
	BIOE Design Elective 2			4								BIOE Design Elective 3	4			Ds & Fs:
	Free Elective 1			3/4								Free Elective 2	3/4			Standing:

Co-op Option				CH	YR Taken	GRADE
ENG 4800	Co-op Work 1			1		
ENG 4810	Co-op Work 2			1		
ENG 4820	Co-op Work 3			1		

MINORS													
Minor in Agribusiness				CH	YR Taken	GRADE	Minor in Arts				CH	YR Taken	GRADE
Must complete 18 cr hr						Must complete 18 cr hr (6 Hum + 6 Soc Sci + 6 Arts)							
ECON 1010				3			Hum				3		
ECON 1020				3			Hum				3		
ABIZ 1000				3			SS				3		
ABIZ 2510				3			SS				3		
ABIZ 2520				3			Arts				3		
ABIZ				3			Arts				3		

Minor in Computer Science				CH	YR Taken	GRADE
Must complete 18 cr hr						
CS	COMP 1012 Intro Comp Sci			3		
CS	COMP 1020 Intro Comp Sci 2			3		
CS	COMP 2140 Data Str & Algo			3		
CS	2000 or +			3		
CS	2000 or +			3		
CS	2000 or +			3		

Minor in Management				CH	YR Taken	GRADE
Must complete 18 cr hr						
Mgt				3		
Mgt				3		
Mgt				3		
Mgt				3		
Mgt				3		
Mgt				3		

Minor in Math				CH	YR Taken	GRADE
Must complete 24 cr hr						
These math courses are compulsory in the program	MATH 1500 or 1510			3		
	MATH 1700 or 1710			3		
	MATH 1210			3		
	MATH 2130			4		
	MATH 2132			4		
Additional courses	MATH			3		
	MATH			3		
	3000 +			3		
	3000 +			3		

Minor in Arts				CH	YR Taken	GRADE
Must complete 18 cr hr (6 Hum + 6 Soc Sci + 6 Arts)						
Hum				3		
Hum				3		
SS				3		
SS				3		
Arts				3		
Arts				3		

Minor in Geological Sciences				CH	YR Taken	GRADE
Must complete 18 cr hr						
GEOL 1340 or GEOL 2250				3		
GEOL 1400 or GEOL 1410 or GEOL 1				3		
GEOL 2540				3		
2000 or +				3		
2000 or +				3		
2000 or +				3		

Minor in Music				CH	YR Taken	GRADE
Must complete 18 cr hr (no Eng courses apply)						
MUSC 1110 or MUSC 1280				3		
MUSC 1120 or MUSC 1290				3		
MUSC 21380				2		
MUSC 3180				2		
MUSC 4180				2		
MUSC				3		
MUSC				3		

OPTIONS				CH	YR Taken	GRADE
Admission to Medicine						
CHEM 2210				3		
CHEM 2360				3		
CHEM 2370				3		

Total Degree hours: _____

DGPA: _____