

Name: _____

Student#: _____

Admitted to Biosystems Eng **Sept 2016**

Graduation Date: _____

Biosystems Engineering Program

		Preliminary Engineering Courses	Cr Hr	YR TAKEN	GRADE
1	CHEM 1300	Chemistry (Struc & Mode)	3		
2	COMP 1012	Comp Prog for Sci & Eng	3		
3	ENG 1430	Design in Engineering	3		
4	ENG 1440	Intro to Statics	3		
5	ENG 1450	Intro to Elec & Comp Eng Techniques	3		
6	ENG 1460	Intro to Thermal Sciences	3		
7	MATH 1210	Classical/Linear Algebra	3		
8	MATH 1510	Applied Calculus I (or MATH 1500)	3		
9	MATH 1710	Applied Calculus II (or MATH 1700)	3		
10	PHYS 1050	Physics 1: Mechanics	3		
11		Written English Requirement	3		
12		Complementary Studies (PHIL 1290 recommen	3		
		Biosystems Engineering Core Courses			
13	ANTH 2430	Tech & Soc (CIVL 4460, ENG 3020 or ANTH 2500)	3		
14	BIOE 2110	Transport Phenomenon	3		
15	BIOE 2480	Impact of Engineering on the Environment	3		
16	BIOE 2590	Biology for Engineers (or BIOL 1020 & 1030)	3		
17	BIOE 2900	BioE Design 1	4		
18	BIOE 3270	Inst & Meas Biosystems	4		
19	BIOE 3320	Eng Prop Biological Mat	4		
20	BIOE 3400	Design of Struc Comp in Machines	4		
21	BIOE 3590	Mech Mat Biosystems	4		
22	BIOE 3900	BioE Design 2	4		
23	BIOE 4240	Graduation Project	3		
24	BIOE 4900	BioE Design 3	4		
25	BIOE 4950	BioE Design 4	4		
26	CHEM 1310	U1, Physical Chemistry	3		
27	CIVL 2790	(or BIOE 2790, MECH 2262) Fluid Mechanics	4		
28	CIVL 2800	(or BIOE 2800, MECH 2222) Solid Mechanics	4		
29	CIVL 4050	(or ENG 3000) Engineering Economics	3		
30	ENG 2022	Eng (CAD) Tech for Biosystems	3		
31	CIVL 3590	(or MECH 2150, MATH 2120) Numerical	4		
32	MATH 2130	Eng Math Analysis 1	3		
33	MATH 2132	Eng Math Analysis 2	3		
34	MBIO 1220	Essentials of Microbiology (or MBIO 1010)	3		
35	MECH 3482	Kinematics & Dynamics	4		
36	STAT 2220	Probability & Statistics (or STAT 1000 & 2000)	3		
		Biosystems Engineering Electives			
37		Science Elective (BIOL 1410 or SOIL 4060)	3		
38		Science Elective (BIOL 1412 or BIOE 2600)	3(4)		
39		BioE Design Elective 1	4		
40		BioE Design Elective 2	4		
41		BioE Design Elective 3	4		
42		Complementary Studies Elective 1	3		
43		Complementary Studies Elective 2	3		
44		Free Elective 1	3		
45		Free Elective 2	3		

MINORS / OPTIONS

Co-op Option	Cr Hr	YR TAKEN	GRADE
ENG 4800 Co-op Work 1	1		
ENG 4810 Co-op Work 2	1		
ENG 4820 Co-op Work 3	1		

Students seeking a Minor should consult with an Advisor

Minor in Agribusiness	Cr Hr	Yr Taken	GRADE
Must complete 18 cr hr			
ECON 1010	3		
ECON 1020	3		
ABIZ 1000	3		
ABIZ 2510	3		
ABIZ 2520	3		
ABIZ	3		

Minor in Arts	Cr Hr	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 Computer Science	Cr Hr	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 Geological Sciences	Cr Hr	YR TAKEN	GRADE
Must complete 18 cr hr			
GEOL 1340 or GEOL 2250	3		
GEOL 1400 or GEOL 1410 or GEO	3		
GEOL 2540	3		
2000 or +	3		
2000 or +	3		
2000 or +	3		

Minor in Management	Cr Hr	YR TAKEN	GRADE
Must complete 18 cr hr			
Mgt	3		
Mgt	3		
Mgt	3		
Mgt	3		
Mgt	3		
Mgt	3		

Minor in Music	Cr Hr	YR TAKEN	GRADE
Must complete 18 cr hr (no Eng crses 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		

FINAL:
CGPA
Standing

TERM:
TGPA
Ds & Fs
Standing

TERM:
TGPA
Ds & Fs
Standing

TERM:
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Ds & Fs
Standing

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Standing

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