Biosystems Engineering Program Audit Form

Name: _____   Admitted to Biosystems Engineering **September 2022**

Student Number: _____

FIRST YEAR		CH	YR Taken	GRADE				CH	YR Taken	GRADE
CHEM 1100	Chemistry 1	3				MATH 1210	C/L Algebra	3		
CHEM 1122	Chem Techniques 1	1.5			☐ CHEM 1300	MATH 1510	Applied Calculus 1	3		
COMP 1012	Comp Prog Eng	3				MATH 1710	Applied Calculus 2	3		
ENG 1430	Engineering Design	3				PHYS 1050	Physics	3		
ENG 1440	Engineering Statics	3					Complementary Studies Elective 1	3		
ENG 1450	Intro Elec & Comp Eng	3					Written Requirement	3		
ENG 1460	Thermal Sciences	3								

SECOND YEAR		CH	YR Taken	GRADE				CH	YR Taken	GRADE
BIOE 2590	Biology for Engineers	3				BIOE 2480	Impact of Eng on Enviro	3		
BIOE 2900	Design 1	4				ENG 2022	Eng CAD Technology	3		
CHEM 1110	Chemistry 2	3			☐ CHEM 1310	STAT 2220	Statistics for Engineers	3		
CHEM 1126	Chem Techniques 2	1.5					Indigenous Knowledge Course	3		
MBIO 1220	Essentials of Microbiology (or MBIO 1010)	3								

THIRD YEAR		CH	YR Taken	GRADE				CH	YR Taken	GRADE
BIOE 2110	Transport Phenomena	3				BIOE 2800	Solid Mechanics	4		
BIOE 2790	Fluid Mechanics	4				MATH 2130	Math Analysis 1	3		
MATH 2132	Math Analysis 2	3				MECH 2150	Mech. Eng. Modelling and Numerical	4		
	Science Elective	3					Science Elective	3		

FOURTH YEAR		CH	YR Taken	GRADE				CH	YR Taken	GRADE
BIOE 3400	Des of Struc Comp Mach	4				BIOE 3270	Instrumentation for Biosys	4		
BIOE 3590	Mechanics of Biomater	4				BIOE 3320	Eng Prop of Biolog Mater	4		
BIOE 3900	Design 2	4				MECH 3482	Kinematics & Dynamics	4		
	Complementary Studies Elective 2	3/4					ANTH 2430 or ENG 3020	3		
							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		
BIOE 4240	Graduation Project	3				ENG 3000	Engineering Economics	3		
	BIOE Design Elective 2	4					BIOE Design Elective 3	4		
	Free Elective 1	3/4					Free Elective 2	3/4		

Indigenous Knowledge Course Options

INDG 1200	INDG 1220
INDG 1240	INDG 2012 or HIST 2010
POLS 2802	INDG 2020 or HIST 2020
POLS 3870	

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		

Science Electives Options

PLNT 2510	AGEC 2370 or BIOL 2300
ANSC 3530	SOIL 4060
BIOL 1410	BIOL 1412

Total Degree hours: _____

Final DGPA: _____

GRAD Check Completed ☐

Term: 202290 — TGPA: — Standing:
Term: 202310 — TGPA: — Standing:

Term: — TGPA: — Standing:
Term: — TGPA: — Standing:

Term: — TGPA: — Standing:
Term: — TGPA: — Standing:

Term: — TGPA: — Standing:
Term: — TGPA: — Standing:

Term: — TGPA: — Standing:
Term: — TGPA: — Standing:

Term: — TGPA: — Standing:
Term: — TGPA: — Standing:

Term: — TGPA: — Standing:
Term: — TGPA: — Standing:

Term: — TGPA: — Standing:
Term: — TGPA: — Standing:

BIOSYSTEMS ENGINEERING MINORS

(Check Academic Calendar or UM Achieve for the most up to date Requirements)

Agribusiness
Must complete 18 credit hours

Course Taken	Requirements	CH	YR Taken	GRADE	Counted towards degree
	ECON 1010	3			
	ECON 1020	3			
	ABIZ 1000	3			
	ABIZ 2510	3			
	ABIZ 2520	3			
	ABIZ course	3			

Arts
Must complete 18 credit hours

Course Taken	Requirements	CH	YR Taken	GRADE	Counted towards degree
	Humanities	3			
	Humanities	3			
	Social Sciences	3			
	Social Sciences	3			
	Arts	3			
	Arts	3			

Computer Science
Must complete 18 credit hours

Course Taken	Requirements	CH	YR Taken	GRADE	Counted towards degree
	COMP 1012 Intro Comp Sci	3			
	COMP 1020 Intro Comp Sci 2	3			
	COMP 2140 Data Str & Algo	3			
	COMP 2000 level or above	3			
	COMP 2000 level or above	3			
	COMP 2000 level or above	3			

Geological Sciences
Must complete 18 credit hours

Course Taken	Requirements	CH	YR Taken	GRADE	Counted towards degree
	GEOL 1340	3			
	GEOL 1400 or GEOL 1410 or GEOL 1420	3			
	GEOL 2000 level or above	3			
	GEOL 2000 level or above	3			
	GEOL 2000 level or above	3			
	GEOL 2000 level or above	3			

Management
Must complete 18 credit hours

Course Taken	Requirements	CH	YR Taken	GRADE	Counted towards degree
	Management Course	3			
	Management Course	3			
	Management Course	3			
	Management Course	3			
	Management Course	3			
	Management Course	3			

Music
Must complete 18 credit hours

Course Taken	Requirements	CH	YR Taken	GRADE	Counted towards degree
	MUSC 1004	3			
	MUSC 1014	3			
	MUSC 1110	3			
	MUSC Course*	3			
	MUSC Course*	3			
	MUSC Course*	3			

*except for MUSC 1400 2400, 3470, 4160 & 4470

Math
Must complete 24 credit hours

Course Taken	Requirements	CH	YR Taken	GRADE	Counted towards degree
	MATH course	3			
	MATH course	3			
	MATH course	3			
	MATH course	3			
	MATH course	3			
	MATH course	3			
	MATH course	3			
	MATH 3000 level or higher	3			
	MATH 3000 level or higher	3			

Recreation Studies
Must complete 18 credit hours

Course Taken	Requirements	CH	YR Taken	GRADE	Counted towards degree
	KPER 1400	3			
	REC 2400	3			
	Elective REC Course (view calendar for list)	3			
	Elective REC Course (view calendar for list)	3			
	Advanced REC Course (view calendar for list)	3			
	Advanced REC Course (view calendar for list)	3			

Leadership for Business and Organizations
Must complete 18 credit hours

Course Taken	Requirements	CH	YR Taken	GRADE	Counted towards degree
	GMGT 1010	3			
	GMGT 2060	3			
	GMGT 2070	3			
	LEAD 4010	3			
	Select 3CH from list (view calendar for list)	3			
	Select 3CH from list (view calendar for list)	3			

Last Update: May 30, 2023