

BSSE Academic Plan of Study (Sample for CFY Curriculum)

Year 1					
Semester I			Semester II		
Course ID	Course Name	Cr. Hrs.	Course ID	Course Name	Cr. Hrs.
ENGR-1300	Exploring Engr & Tech w/ Success	2	ENGR-1302	Logic and Computational Problem Sol	3
ENGR-1301	Foundations of Math & Sci for Engr	3	ENGR-1303	Engr Visualization & Graphical Commu	3
MATH-1241	Calculus I	3	MATH-1242	Calculus II	3
XXXX-150X	Gen Ed Theme Course	3	PHYS-2101	Physics for Science and Engineering I	3
XXXX-150X	Gen Ed Theme Course	3	PHYS-2101L	Physics for Science and Engineering I L	1
			WRDS-1103	Writing and Inquiry in Acad Contexts II	3
		Subtotal			Subtotal
		14			16

Year 2					
Semester I			Semester II		
Course ID	Course Name	Cr. Hrs.	Course ID	Course Name	Cr. Hrs.
PHYS 2102	Physics II	3	SEGR 2110	Systems Engr. Concepts	3
PHYS 2102L	Physics II Lab	1	STAT 3128	Prob. & Stat. for Engr.	3
SEGR 2105	Comp. Meth. for Sys. Engr.	3	CTCM 2350	Critical Thinking and Comm.	3
MATH 2241	Calculus III	3		Technical Elective	3
MATH 2164	Matrices & Linear Algebra	3		Science Elective	3
SEGR 2106	Engr. Economic Analysis	3			
		Subtotal			Subtotal
		16			15

Year 3					
Semester I			Semester II		
Course ID	Course Name	Cr. Hrs.	Course ID	Course Name	Cr. Hrs.
AmDem	American Democracy	3	SEGR 3102	Sys. Simul. Modeling & Anal.	3
SEGR 3105	Comp. Meth. for Sys. Engr. II	3	SEGR 3111	Project Management	3
SEGR 3107	Decision and Risk Analysis	3	MATH 2171	Differential Equations	3
SEGR 3201	Operations Res.-Deterministic	3	SEGR 3202	Operations Res.-Probabilistic	3
	Tech Elective	3	SEGR 3110	System Design and Deployment	3
		Subtotal			Subtotal
		15			15

Year 4						
Semester I			Semester II			
Course ID	Course Name	Cr. Hrs.	Course ID	Course Name	Cr. Hrs.	
SEGR 3290	Sys. Design Project I	2	SEGR 3291	Design Project II	2	
ENGR 3295	Prof. Development	1	SEGR 4170	Total Quality Systems	3	
SEGR 4114	Production Control Systems	3	XXXX 151x	Local Theme	3	
SEGR 4141	Engr. Experimental Design	3		Concentration Course	3	
	Concentration Course	3		Concentration Course	3	
	Concentration Course	3				
Subtotal		15	Subtotal			14
Total Cr. Hrs.					120	