

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 130X	Common First Year Course #1	2	ENGR 130X	Common First Year Course #3	3
ENGR 130X	Common First Year Course #2	3	ENGR 130X	Common First Year Course #4	3
MATH 1241	Calculus I	3	PHYS 2101	Physics I	3
XXXX 15XX	GenEd #1* (see link below)	3	PHYS 2101L	Physics I Lab	1
XXXX 15XX	GenEd #2* (see link below)	3	MATH 1242	Calculus II	3
			WRDS 1103	Writing	3
Subtotal		14	Subtotal		16

Year 2					
Semester I			Semester II		
Course ID	Course Name	Cr. Hrs.	Course ID	Course Name	Cr. Hrs.
SEGR 2105	Comp. Meth. for Sys. Engr.	3	SEGR 2110	Systems Engr. Concepts	3
SEGR 2106	Engr. Economic Analysis	3	STAT 3128	Prob. & Stat. for Engr.	3
MATH 2241	Calculus III	3	CTCM 2530	Critical Thinking and Comm.	3
MATH 2164	Matrices & Linear Algebra	3	TE 1	Tech. Elective **	3
PHYS 2102	Physics II	3		Sci Elective**	3
PHYS 2102L	Physics II Lab	1			
Subtotal		16	Subtotal		15

Year 3					
Semester I			Semester II		
Course ID	Course Name	Cr. Hrs.	Course ID	Course Name	Cr. Hrs.
XXXX 15XX	GenEd #3* (see link below)	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
TE 2	Tech. Elective **	3	SEGR 3110	System Design and Deployment	3
Subtotal		15	Subtotal		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 15XX	GenEd #4* (see link below)	3
SEGR 4141	Engr. Experimental Design	3	ATE/CONC 3	Ad Tech Elec**/Conc Course***	3
ATE/CONC 1	Ad Tech Elec**/Conc Course***	3	ATE/CONC 4	Ad Tech Elec**/Conc Course***	3
ATE/CONC 2	Ad Tech Elec**/Conc Course***	3			
Subtotal		15	Subtotal		14
Total Cr. Hrs.					120

[*List of GenEd Courses](#)

[**List of Electives](#)

[***List of Concentration Courses](#)