Course Dependency   Calc I Start   Bachelor of Science in System Engineering							
Semester 1 (Fall)	Semester 2 (Spring)	Semester 3 (Fall)	Semester 4 (Spring)	Semester 5 (Fall)	Semester 6 (Spring)	Semester 7 (Fall)	Semester 8 (Spring)
APMA 1110 Single Var. Calc. II 4	APMA 2120 Multivari. Calc. 4	APMA 2130 Ord. Diff. Eq. 4	APMA 3080 Linear Alg.	SYS 3021 Determ. Decision Models 3	SYS 3034 System Eval.	STS 4500	
STS 1500 Science, Tech, & Contemporary	CS 111X Intro. to Programming 3	SYS 2001 SE Concepts 3 CS 2110	APMA 3100 Probability	APMA 3120 Statistics	SYS 3060 Stoc. Decision Models 3	S1S 4500 STS & Engr Practice (7) 3 Require 4 <sup>th</sup> -Year S SYS 4053 System Design	STS 4600 Engr., Ethic & Prof. Resp. 3 ystems Standing (6) SYS 4054 System Design
ENGR 1620 and 1621 Intro. to Engr. 4		Software Dev.	SYS 2202 Data Mgmt.	3 SYS 3023 Human-Machine Interface 3	SYS 3062 Discrete Event	I 3 SYS 4055 Design Coll, II 1 SYS 4021 Linear Stat	
CHEM 1410 & 1411 Intro. Chem & Lab 4	PHYS 1425 & 1429 Phys I & Wkshp 4 Science Elective I (1) 3 HSS Elective (3)	PHYS 2415 & 2419 Phys II & Wkshp 4 HSS Elective (3)	Science Elective II (2) 3 STS 2/3XXX	SYS 3055 Design Coll. I 1 HSS Elective (3)	Application Elective (4) Technical	Application Elective (4)	Technical Elective (5) 3 Application Elective (4) 3 Unrestricted
	3	3	3	3	3	3	
15	17	17	16	16	16	17	15
<ul> <li>128 credits – minimum required for graduation. Additional information on electives on SE website under "Electives."</li> <li>(1) Suitable science elective I courses are shown on SEAS approved list on the web.</li> <li>(2) Science II electives should be chosen from approved 2000, 3000, and 4000 science or mathematics courses. See approved list on the SE website.</li> </ul>							

(2) Science II electives should be chosen from approved 2000, 3000, and 4000 science or mathematics courses. See approved list on the SE website.

(3) Nine credits of humanities and social science electives should be selected in a related subject area of humanities and social sciences.

(4) Nine credits of applications electives should be selected in a related applications area of systems engineering. See SE website for details.

(5) Six credits of technical electives. See criteria for technical electives on SE website.

(6) Fourth year Systems standing requires satisfactorily (C- or better) completing SYS 2001 and 2202 and also completing at least 4 of SYS 3021, 3023, 3034, 3060, and 3062. Content Revised 01/07/2021

Pre-requisite

(7) STS 1500 is a pre-requisite for many STS 2/3XXX electives. STS 2/3XXX is a pre-requisite for STS 4500.