Course Dependency | Calc | 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 1090 Single Var. Calc. I	APMA 1110 Single Var. Calc. II 4	APMA 2120 Multivari. Calc.	APMA 2130 Ord. Diff. Eq.	APMA 3080 Linear Alg.	SYS 3034 System Eval.	STS 4500	STS 4600
	CS 111X Intro. to Programming 3	SYS 2001 SE Concepts	APMA 3100 Probability	SYS 3021 Determ. Decision Models 3	SYS 3060 Stoc. Decision Models 3	STS & Engr Practice (7) 3 Require 4 th -Year S	Engr., Ethic & Prof. Resp. 3 ystems Standing (6) SYS 4054
ENGR 1010 Engineering Foundations 1	ENGR 1020 Engineering Foundations 2	CS 2100 Data Structures & Algor,	SYS 2202	Statistics SYS 3023 Human-Machine Interface		System Design I 3 SYS 4055 Design Coll, II	System Design II 3
CHEM 1410 & 1411 Intro. Chem & Lab	PHYS 1425 & 1429 Phys I & Wkshp 4 Science Elective I	PHYS 2415 & 2419 Phys II & Wkshp	Data Mgmt. 3 Science Elective II	SYS 3055 Design Coll. I	SYS 3062 Discrete Event Sim. 4	SYS 4021 Linear Stat. Models Application	Technical Elective (5) Application
HSS Elective (3)	(1)	HSS Elective (3)	STS 2600 Engineering Ethics	HSS Elective (3)	Technical Elective (5)	Unrestricted Elective	Unrestricted Elective
15	17	18	16	16	16	17	15

129 credits – minimum required for graduation. Additional information on electives on SE website under "Electives."

- (1) Suitable science elective I courses are shown on SEAS approved list on the web.
- (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 08/20/2023

Co-requisite

Pre-requisite

Shaded =

Course only for

SE Majors