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
STS 1500 Science, Tech, & Contemporary Issues. Society	CS 111X Intro. to Programming 3	SYS 2001 SE Concepts 3 CS 2100 Data Structures & Algor, 4	APMA 3100 Probability	SYS 3021 Determ. Decision Models 3 APMA 3120 Statistics 3	SYS 3060 Stoc. Decision Models 3	STS & Engr Practice (7) 3 Require 4 th -Year S SYS 4053 System Design I 3	Engr., Ethic & Prof. Resp. 3 ystems Standing (6) SYS 4054 System Design II 3
ENGR 1620 and 1621 Intro. to Engr. 4 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)	SYS 2202 Data Mgmt. STS 2600 Engineering Ethics Science Elective II (2) 3	SYS 3023 Human-Machine Interface 3 SYS 3055 Design Coll. I 1 HSS Elective (3)	SYS 3062 Discrete Event Sim. 4 Application Elective (4) Technical Elective (5)	SYS 4055 Design Coll, II SYS 4021 Linear Stat. Models 4 Application Elective (4) Unrestricted Elective 3	Technical Elective (5) Application Elective (4) 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 06/02/2022

Pre-requisite

Shaded = Course only for

SE Majors

Co-requisite