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 1090 Single Var. Calc. I (4)	APMA 1110 Single Var. Calc. II (4)	APMA 2120 Multivari. Calc. (4)	APMA 2130 Ord. Diff. Eq. (4)	APMA 3080 Linear Alg. (3)	SYS 3034 System Eval (3)	STS 4500 STS & Engr Practice (7) (3)	STS 4600 Engr., Ethic & Prof. Resp. (3)
ENGR 1010 Engineering Foundations 1 (4)	CS 111X Intro. to Programming (3)	SYS 2001 SE Concepts (3)	APMA 3100 Probability (3)	SYS 3021 Determ. Decision Models (3)	SYS 3060 Stoc. Decision Models (3)	**Require 4th-Year Systems Standing (6)** SYS 4053 System Design I (3) / SYS 4054 System Design II (3) / SYS 4055 Design Coll. II (1)	
	ENGR 1010 Engineering Foundations 2 (3)	CS 2100 Data Structures & Algor. (4)	SYS 2202 Data Mgmt. (3)	APMA 3120 Statistics (3)	SYS 3062 Discrete Event Sim. (4)	SYS 4021 Linear Stat. Models (4)	
CHEM 1410 & 1411 Intro. Chem & Lab (4)	PHYS 1425 & 1429 Phys I & Wkshp (4)	ECE 2200 or PHYS 2415 & 2419 Phys II & Wkshp (4)		SYS 3023 Human-Machine Interface (3)			Technical Elective (5) (3)
HSS Elective (3) (3)	Math/Science Elective I (1) (3)	STS 2600 Engineering Ethics (3)	STS 2600 Engineering Ethics (3)	SYS 3055 Design Coll. I (1)	Application Elective (4) (3)	Application Elective (4) (3)	Application Elective (4) (3)
		HSS Elective (3) (3)	Science Elective II (2) (3)	HSS Elective (3) (3)	Technical Elective (5) (3)	Unrestricted Elective (3)	Unrestricted Elective (3)
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.

- - - Co-requisite
Shaded = Course only for SE Majors
Pre-requisite

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