SCHOOL OF
ENGINEERING & APPLIED SCIENCE
University of Virginia • Systems Engineering

PLAN OF STUDY- CALC II START

BACHELOR OF SCIENCE IN SYSTEMS ENGINEERING
UNIVERSITY OF VIRGINIA

Student:_____ Date: _____ Advisor:_____

Course requirements are listed below by semester. For advising and planning purposes, please (i) check (✓) the courses for which you are currently enrolled (or enrolling) and (ii) record your grade for each course previously completed.

✓	First Semester		
___	APMA 1110	Single Var Calculus II	4
___	CHEM 1410	Intro Chem	3
___	CHEM 1411	Intro Chem Lab	1
___	ENGR 1010	Engr Foundations 1	4
___	_____	HSS Elective (3)	3
			15

✓	Second Semester		
___	APMA 2120	Multivariable Calculus	4
___	PHYS 1425	General Physics I	3
___	PHYS 1429	General Physics I Wkshp	1
___	CS 111X	Intro to Programing	3
___	ENGR 1020	Engr Foundations 2	3
___	_____	Science Elective I (1)	3
			17

✓	Third Semester		
___	APMA 2130	Ordinary Diff Eqns	4
___	CS 2100	Data Struc. & Algor.	4
___	SYS 2001	Sys Engr Concepts	3
___	PHYS 2415	General Physics II	3
___	PHYS 2419	General Physics II Wkshp	1
___	_____	HSS Elective (3)	3
			18

✓	Fourth Semester		
___	APMA 3080	Linear Algebra	3
___	APMA 3100	Probability	3
___	SYS 2202	Data & Information Engr	3
___	STS 2600	Engineering Ethics	3
___	_____	Science Elective II (2)	3
			15

✓	Fifth Semester		
___	APMA 3120	Statistics	3
___	SYS 3021	Determ Decision Models	3
___	SYS 3023	Human Mach Interface	3
___	SYS 3055	SE Design Coll I	1
___	_____	HSS Elective (3)	3
___	_____	Technical Elective (5)	3
			16

✓	Sixth Semester		
___	SYS 3034	System Evaluation	3
___	SYS 3060	Stochastic Dec Models	3
___	SYS 3062	Discrete Event Simul	4
___	_____	Application Elective (4)	3
___	_____	Unrestricted Elective	3
			16

✓	Seventh Semester		
___	STS 4500	STS & Engr Practice	3
___	SYS 4021	Linear Statistical Models	4
___	SYS 4053	Systems Design I	3
___	SYS 4055	SE Design Coll II	1
___	_____	Application Elective (4)	3
___	_____	Unrestricted Elective	3
			17

✓	Eighth Semester		
___	STS 4600	Engr Ethics & Prof Resp.	3
___	SYS 4054	Systems Design II	3
___	_____	Technical Elective (5)	3
___	_____	Application Elective (4)	3
___	_____	Unrestricted Elective	3
			15

129 credits – minimum required for graduation

(1) Suitable science elective I courses are shown on SEAS approved list.
(2) Suitable advanced science electives should be chosen from 2000, 3000, and 4000 level science or mathematics courses approved for science majors. See list on SIE website for details.
(3) Nine credits of humanities and social science electives should be selected in a related subject area of humanities and social sciences. See link to appropriate courses on SIE website
(4) Nine credits of applications electives should be selected in a related applications area of systems engineering. See list on SIE website.
(5) Technical electives – see technical electives policy on SIE website.

Revised 08/20/2023