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

PLAN OF STUDY- CALC I 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 1090	Single Var Calculus I	4
___	CHEM 1410	Intro Chem	3
___	CHEM 1411	Intro Chem Lab	1
___	ENGR 1624	Intro to Engineering	4
___	STS 1500	Sci, Tech, & Cntmp Iss	3
			15

✓   Second Semester

___	APMA 1110	Single Var Calculus II	4
___	PHYS 1425	General Physics I	3
___	PHYS 1429	General Physics I Wkshp	1
___	CS 111X	Intro to Programing	3
___	_____	Science Elective I (1)	3
___	_____	HSS Elective (3)	3
			17

✓   Third Semester

___	APMA 2120	Multivariable Calculus	4
___	CS 2110	Software Devel Methods	3
___	SYS 2001	Sys Engr Concepts	3
___	PHYS 2415	General Physics II	3
___	PHYS 2419	General Physics II Wkshp	1
___	_____	HSS Elective (3)	3
			17

✓   Fourth Semester

___	APMA 2130	Ordinary Diff Eqns	4
___	APMA 3100	Probability	3
___	SYS 2202	Data & Information Engr	3
___	_____	Science Elective II (2)	3
___	_____	STS 2000/3000 Elective	3
			16

✓   Fifth Semester

___	APMA 3080	Linear Algebra	3
___	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
			16

✓   Sixth Semester

___	SYS 3034	System Evaluation	3
___	SYS 3060	Stochastic Dec Models	3
___	SYS 3062	Discrete Event Simul	4
___	_____	Application Elective (4)	3
___	_____	Technical 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

128 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 SE 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 SE website
(4) Nine credits of applications electives should be selected in a related applications area of systems engineering. See list on SE website.
(5) Technical electives – see technical electives policy on SE website.

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