

**RODMAN PLAN OF STUDY**  
**BS IN SYSTEMS and INFORMATION 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.

√	<b><u>First Semester</u></b>			√	<b><u>Second Semester</u></b>		
___	APMA 111	Calculus I	4	___	APMA 212	Multivariate Calculus	4
___	CHEM 151	Intro Chem for Engr	3	___	ENGR 142R	Engr Concepts II	3
___	CHEM 151L	Intro Chem Lab	1	___	CS 101	Intro Programming	3
___	ENGR 141R	Engr Concepts I	3	___	_____	Hum/Soc. Elect	3
___	PHYS 142R	Physics	4	___	_____	Science Elect I	<u>3</u>
___	STS 200R	Humanities	<u>3</u>				
			18				16
√	<b><u>Third Semester</u></b>			√	<b><u>Fourth Semester</u></b>		
___	APMA 213	Ordinary Diff. Eqa.	4	___	APMA 308	Linear Algebra	3
___	PHYS 241E	Gen Physics II	3	___	APMA 310	Probability	3
___	PHYS 241L	Gen Phys Lab I	1	___	SYS 202	Data and Info. Engr.	3
___	CS 201	Intro to Comp Sci	3	___	_____	Science Elect II	3
___	SYS 201	Intro Systems Engr.	3	___	_____	Unrestricted Elect	<u>3</u>
___	_____	Hum/Soc. Elect.	<u>3</u>	___			
			17				15
√	<b><u>Fifth Semester</u></b>			√	<b><u>Sixth Semester</u></b>		
___	APMA 312	Statistics	3	___	SYS 334	System Eval	3
___	SYS 355	SE Design Coll I	1	___	SYS 360	Stochastic Dec Model	3
___	SYS 321	Determ Dec Models	3	___	SYS 362	Discrete Event Sim	4
___	SYS 323	Human Mach Inter	3	___	_____	Application Elect	3
___	_____	Hum/Soc. Elect.	3	___	_____	Unrestricted Elect	<u>3</u>
___	_____	Technical Elect.	<u>3</u>	___			
			16				16
√	<b><u>Seventh Semester</u></b>			√	<b><u>Eighth Semester</u></b>		
___	STS 401	West Tech & Cult	3	___	STS 402	Engr. Ethics & Soc	3
___	SYS 421&L	Linear Stat Models	4	___	SYS 454	Systems Design II	3
___	SYS 453	Systems Design I	3	___	_____	Technical Elect.	1-3
___	SYS 455	SE Design Coll II	1	___	_____	Application Elect	3
___	_____	Application Elect	3	___	_____	Unrestricted Elect	<u>3</u>
___	_____	Unrestricted Elect	<u>3</u>				
			17				13-15

**NOTES:**

- Science Elective I is selected from a SEAS approved list; Science Elective II should be chosen from 200, 300, or 400 level science or mathematical courses approved for science majors.
- Four (4) Rodman seminars must be taken during the 4 years.
- Without AP credit for TCC 101, the Rodman student must take a TCC 2XX elective or an approved college writing course.
- Technical Electives are SEAS technical courses (non-TCC) 200 level or higher. One Technical Elective can be 1-3 credits (EG, SYS 495 for 1 credit).
- Nine hours of Hum/Soc. electives should be selected in a related subject area of humanities or social science and should include advanced as well as introductory courses.
- Nine credits of applications electives should be selected in a related applications area of systems engineering. See the undergraduate brochure for details.