

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.

✓	<u>First Semester</u>		
___	APMA 1110	Single Var Calculus II	4
___	CHEM 1610	Intro Chem for Engr	3
___	CHEM 1611	Intro Chem Lab	1
___	ENGR 1620	Intro to Engineering	3
___	CS 1110	Intro to Engineering Lab	1
___	STS 1500	Sci, Tech, & Cntmp Iss	<u>3</u>
			15

✓	<u>Second Semester</u>		
___	APMA 2120	Multivariable Calculus	4
___	PHYS 1425	General Physics I	3
___	PHYS 1429	General Physics I Wkshp 1	1
___	ENGR 1621	Intro to Programming	3
___	_____	Science Elective I (1)	3
___	_____	HSS Elective (3)	<u>3</u>
			17

✓	<u>Third Semester</u>		
___	APMA 2130	Ordinary Diff Eqns	4
___	CS 2110	Software Devel Methods	3
___	SYS 2001	Sys Engr Concepts	3
___	PHYS 2415	General Physics II	3
___	PHYS 2419	General Physics II Wkshp1	1
___	_____	HSS Elective (3)	<u>3</u>
			17

✓	<u>Fourth Semester</u>		
___	APMA 3080	Linear Algebra	3
___	APMA 3100	Probability	3
___	SYS 2202	Data & Information Engr	3
___	_____	Science Elective II (2)	3
___	_____	STS 2000/3000 Elective	<u>3</u>
			15

✓	<u>Fifth Semester</u>		
___	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)	<u>3</u>
			16

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

✓	<u>Seventh Semester</u>		
___	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	<u>3</u>
			17

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