Computer Science (BSCS) Degree Requirement Check-list

(Requirements effective Fall 2001)

Student Name (Last, First): _____
Student ID number: _____ **UVa email ID:** _____
First semester at UVa: _____ **Expected grad. sem:** _____

Required Computing & Math Courses:

	Grade:	Semester (e.g F04):	Comments? (continue on back or separate sheet)
CS 101 Intro. to Computer Sci.			
CS 201 Software Devel. Methods			
CS 202 Discrete Mathematics I			
CS 216 Program & Data Repr.			
CS 230 Digital Logic			
CS 302 Discrete Mathematics II			
CS 333 Computer Architecture			
CS 340 Advanced SW Devel. Tech.			
CS 390 CS Seminar I			
CS 414 Operating Systems			
CS 432 Analysis of Algorithms			
ECE 435 Computer Org. & Design			
APMA 213 Ordinary and Differential Equations			
APMA 308 Linear Algebra			
APMA 310 Probability			

Other SEAS Required and Elective Courses:

Course:	Grade:	Semester:
APMA 111		
APMA 212		
CHEM 151		
CHEM 151L		
ENGR 162		
PHYS 142E		
PHYS 142W		
PHYS 241E		
PHYS 241W		

Course:	Grade:	Semester:	
TCC/STS 101			
TCC/STS 2xx/3xx			List course: _____
TCC/STS 401			
TCC/STS 402			

Other Electives:

Science Elective			List course: _____
HSS Elective #1			List course: _____
HSS Elective #2			List course: _____
HSS Elective #3			List course: _____
Unrestricted Elec #1			List course: _____
Unrestricted Elec #2			List course: _____
Unrestricted Elec #3			List course: _____

CS Electives (4): Course ID & Title

		Grade:	Semester:
1)			
2)			
3)			
4)			

Tech Electives (4): Course ID & Title

		Grade:	Semester:	Approved by advisor: signature here:
1)	*(200+ level)*			
2)	*(200+ level)*			
3)	*(300+ level)*			
4)	*(300+ level)*			

Advisors: You may choose to do the following if you make use of this form for a graduation check during the 4th year:

(1) List Minor or Additional Majors here: _____
(2) Sign and Date below when reviewed for Application for Degree. Attach copy to SEAS application form.

Computer Science (BSCS) Suggested Schedule

(Requirements effective Fall 2001)

First Semester:		
APMA 111	Single Variable Calculus	4
CHEM 151	Intro Chemistry for Engr	3
CHEM 151L	Intro Chem for Engr. Lab	1
ENGR 162	Prob. Solving & Design	4
STS 101	Lang. Comm. & Tech. Soc.	3
		15

Second Semester:		
APMA 212	Multivariate Calculus	4
PHYS 142E	Physics I	3
PHYS 142W	Physics I Workshop	1
CS 101	Intro. To Computer Sci.	3
_____	Science Elective [1]	3
_____	HSS Elective [2]	3
		17

Third Semester:		
APMA 213	Ordinary and Diff. Equ.	4
PHYS 241E	General Physics II	3
PHYS 241L	General Physics II Lab	1
CS 201	Software Develop. Methods	3
CS 202	Discrete Math I	3
_____	HSS Elective [2]	3
		17

Fourth Semester:		
CS 216	Prog. & Data Representatn	3
CS 230	Digital Logic Design	3
CS 302	Discrete Math II	3
STS _____	2xx / 3xx Elective	3
_____	Technical Elective [3]	3
		15

Fifth Semester:		
CS 333	Computer Architecture	3
CS 432	Algorithms	3
APMA 310	Probability	3
_____	Technical Elective [3]	3
_____	Unrestricted Elective [4]	3
		15

Sixth Semester:		
CS 340	Adv. SW Develop. Tech.	3
CS 390	CS Seminar I	1
APMA 308	Linear Algebra	3
CS _____	CS Elective	3
_____	Technical Elective [3]	3
_____	HSS Elective [2]	3
		16

Seventh Semester:		
STS 401	West. Tech & Culture	3
CS 414	Operating Systems	3
ECE 435	Computer Org. & Design	4 ½
CS _____	CS Elective	3
_____	Unrestricted Elective [4]	3
		16 ½

Eighth Semester:		
STS 402	The Engineer in Society	3
CS _____	CS Elective	3
CS _____	CS Elective	3
_____	Unrestricted Elective [4]	3
_____	Technical Elective [3]	3
		15

126 ½ semester hours are the minimum required for the BS in Computer Science degree.

Notes on courses listed in the table above:

1. Science elective must be chosen from the following: BIOL 201, BIOL 202, CHEM 152, ECE 200, MSE 209, or PHYS 252.
2. HSS Electives are chosen from the approved list available in A122 Thornton Hall or the SEAS website.
3. Technical Electives are courses whose emphasis is mathematics, science, or engineering. Technical electives must be at the 200-level or higher, but at least two must be at the 300-level or higher. See the department webpage for more information. Courses that do not clearly qualify should be approved by the student's advisor and recorded with a signature on the reverse side.
4. Any graded course at the University except those listed specifically prohibited in the Undergraduate Record in the "Elective Courses" section of the SEAS Academic Rules and Regulations.