

Computer Science Major- School of Computing 2003-2004

2: _____ ID#: _____ Graduation Date: _____

Course #	Title	Hrs	Prerequisites	Offered	Sem	Grade
101 or 142	Computer Programming I	2	Math 100 or equivalent	F W Sp Su		
201	Computer Programming II	3	CS 101, Math 110	F W Sp		
202 or 240	Computer Programming III	3	CS 201, Math 201, Math 201L	F W Sp		
210 or 143	Computer Organization	2	CS 101, Math 110	F W		
301 or 312	Algorithms & Complexity	3	CS 202, Math 202, Math 202L	F W		
320 or 252	Computational Theory	2	CS 201, Math 201, Math 201L	W		
333	Software Engineering I	2	CS 202	F		
410 or 380	Computer Architecture	2	CS 210, CS 301	W		
415 or 345	Operating Systems Design	2	CS 210, CS 301	W		
420 or 330	Programming Languages	2	CS 202, CS 320	F		
433	Software Engineering II	2	CS 333	W		
440 or 470	Intelligent Systems	2	CS 301	F		

80	Data Communications	2	CS 101	F W		
51	Adv. Data File/Database	3	IS 350 or CS 202	F W Sp		
TH 201 or CS 235	Discrete Mathematics I	2	Math 110 or equivalent	F W Sp		
TH 201L or CS 235	Discrete Mathematics I Lab	1	Math 110 or equivalent, CS 101	F W Sp		
TH 202 or CS 236	Discrete Mathematics II	2	Math 201	F W Sp		
TH 202L or CS 236	Discrete Mathematics II Lab	1	Math 201L	F W Sp		
STATISTICS	MATH 221: Principles of Statistics I	3	Math 110	F W Sp Su		
	OR MATH 321: Mathematical Statistics	3	Math 214 or consent	W odd		
CALCULUS	Math 112: Calculus I	5	Math 111	F W		
	OR Math 113: Calculus II	5	Math 112	F W		
	OR Math 119: Intro. to Calculus	4	Math 110, 111	F		
TWO SEMESTER SCIENCE, 3-CREDIT SCIENCE	PHYS 121: General Physics I	3	Math 119 or 113	F		
	PHYS 122: General Physics II	3	Phys 121	W		
	OR CHEM 105: Gen. Chem I	3	Chem 101	F W		
	CHEM 105L: Gen. Chem I Lab	1	Chem 101	F W		
	CHEM 106: Gen. Chem II	3	Chem 105	W Sp		
	CHEM 106L: Gen. Chem II Lab	1	Chem 105	W Sp		

One D+, D, D- is allowed above. All other credits must be C- or better. _____

Total CS Credit: Complete 40 or more hours of CS coursework. IS 131, 230, 280, 351, 431, Math 201L, 202L may be applied toward this total. (Math 201 and 202 credits can not be counted. IS 235 and 236 may be counted as 1 credit each toward this total.) _____

Advanced CS Credit: Complete 16 or more hours of CS coursework at the 400-499 level. IS 431 may be applied toward this total. _____

Breadth: Complete 30 or more hours in Art, Humanities, Religion, English, IDS and History (courses other than CS, IS, MATH, SCIENCE and EXS). _____
 Note: normally students will naturally earn 37 hours by completing BYUH General Education and Religion requirements.

Complete the GRE Computer Science Subject Test.
 (ETS Major Field Test in Computer Science may be allowed). _____

