Stanford University • School of Engineering

Computer Science Unspecialized Track

2015-2016 Program Sheet

Final version of program sheet due to the department no later than one month prior to the last quarter of senior year.

Follow all requirements as stated for the year of the program sheet used.

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	Phone:		Email:				
Toda	y's Date:		Month/Yr I	B.S. expected:			
Mathe	matics	and Science Requirement (Delete courses and un	its not ta	ken)			
Dept	Course	Title	Transfer/AP Approval by SoE			Unit	Grade
			√ if	SoE Initials	Date	O TINC	
Mather	natics (26 units minimum)	Transfer				
MATH		Calculus (see note 1)				5	
MATH	42	Calculus				5	
CS	103	Mathematical Foundations of Computing				5	
CS	109	Introduction to Probability for Computer Scientists				5	
Plus two	electives	(see note 2)					
			Mathen	natics Unit Total (26	3 units minimum)		
Scienc	e 11 un	its minimum)					
PHYS	41	Mechanics (or PHYSICS 21 or PHYSICS 61)				4	
PHYS	43	Electricity and Magnetism (or PHYSICS 23 or PHYSICS 63)				4	
		Elective (see note 3)					
Science Unit Total (11 un							
			(37 u	nits min. Math/S	Sci combined)		
Techno	ology ii	n Society Requirement (1 course required; see UGHB Fig	ure 3-3 for	approved list; s	ee note 10)		
		-					
Engine	ering l	Fundamentals (13 units minimum)	-	-			
CS		Programming Abstractions (B or X)				5	
ENGR		Introductory Electronics (ENGR 40A and 40M also allowed; se	e note 4)			5	
		Fundamentals Elective (CS 106A, B or X not allowed)					
		,		tals Total (13 ur	nits minimum)		

NOTES

Nama:

- * All courses listed on this form must be taken for a letter grade (if offered) and can be included under only one category.
- * This printed form must be signed by the departmental representative. Changes must be petitioned (see UGHB pg 27-29) and initialed in ink.
- * Minimum Grade Point Average (GPA) for all courses in ENGR Fundamentals and CS Core, Depth, and Senior Project (combined) is 2.0.
- * Transfer and AP credits in Math, Science, Fundamentals, & TIS must be approved by the SoE Dean's Office. Transfer credits in Computer Science Core, Depth and Senior Project must be approved by the Computer Science undergraduate program office.
- * Courses must be taken for the number of units on the Program Sheet. CS103, 106B/X, 107, 109, 110, and 161 must be taken for 5 units.
- (1) Math 19, 20 and 21 may be taken instead of Math 41 and 42 as long as at least 26 math units are taken.
- (2) Math electives: Math 51, 104, 108, 109, 110, 113; CS 157, 205A; PHIL 151; CME 100, 102, 104. Completion of Math 52 & 53 will (together) count as one Math elective. Restrictions: CS 157+ Phil 151 may not be used in combination to satisfy the Math electives requirement. Students who have taken both Math 51 & 52 may not count CME 100 as an elective.
- (3) Any course of 3 or more units from the SoE Science List (Fig. 3-2 in the UGHB), PSYCH 30 or 55, or AP Chemistry may be used.
- (4) Students who take ENGR 40A or 40M for fewer than 5 units are required to take 1-2 additional units of ENGR Fundamentals (13 units minimum), or 1-2 additional units of Depth (27 units minimum for track and elective courses).
- (5) One course required; may not be CS 106A, B or X. See Engineering Fundamentals Fig. 3-4 in the UGHB for approved list.

CS Unspecialized Track Program Sheet (continued)

Unspecialized Track Core, Depth and Senior Project (43 units minimum)

Be advised, no course may be listed twice on the sheet; no double-counting.

		Do davided, the course thay be neced twice on the check,					
Dept	Course	Title	Transfer/Deviation Approval by Dept			Unit	Grade
			√ if	Dept Initials	Date] Offic	Graue
Core (1	5 units mi	nimum)	Transfer			-	
CS	107or107E	Computer Organization and Systems				5	
CS CS	110	Principlets of Computer Systems				5	
CS	161	Design and Analysis of Algorithms				5	
Depth;	Track and	Electives (25 units and seven courses minimum)				-	
CS CS	154	Intro Automata and Complexity Theory (Track Requirement A)				4	
CS		One of CS 140, 143 (Track Requirement B)				4	
		Track Requirement C (see note 6)					
CS		Track Requirement D (see note 7)					
CS CS		Track Requirement E (see note 8)					
		Elective (see note 9)					
		Elective (see note 9)					
		Optional Elective (see note 9)					
Senior F	Project (1	course required)				-	
CS		At least 3 units of 191, 191W, 194, 194W, 210B, 294 or 294W	(see note 10)			3	
	-	Computer Science Core, Depth and	Senior Pro	ject Total (43 ur	nits minimum)		
Progra	am App	rovals			,	-	
Depart	tmental						
Printed Name:				Date:			
Signatui	re:						
Schoo	l of Eng	ineering (No action required-office use only)					
Printed Name:				Date:			
Signatu	re:						

NOTES (continued from page 1)

- (6) Track Requirement C: One additional course from the Track Requirement B list or the following: CS 144, 155, 242, 244; EE 180
- (7) Track Requirement D: Any one of CS 121 or 221, 223A, 228, 229, 231A
- (8) Track Requirement E: Any one of CS 145, 147, 148, 248, 262
- (9) At least two courses from the General CS Electives list: CS 108, 121 or 221*, 124, 131, 140, 142, 143, 144, 145, 147, 148, 149, 155, 157 (or PHIL 151), 164, 166, 167,168,190, 205A, 205B, 210A, 223A, 224M, 224N, 224S, 224U, 224W, 225A, 225B, 227B, 228, 228T, 229, 229A, 229T, 231A, 231B, 231M, 231N, 232, 233, 240, 240H, 242, 243, 244, 244B, 245, 246, 247, 248, 249A, 249B, 251, 254, 255, 261, 262, 263, 264, 265, 266, 267, 270, 271, 272, 173 or 273A, 274, 276, 277, 279, 348B; CME 108; EE 180, 282, 364A *(Students may not count both CS 121 and 221 toward their major requirements.)
- (10) The WIM reg't may be met by taking CS 181W as a TiS course or through the Senior Project course (191W, 194W, 210B, or 294W only).