Stanford University • School of Engineering

Computer Science Unspecialized Track

2016-2017 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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Name:	SU ID #:
Phone:	Email:
Today's Date:	Month/Yr B.S. expected:

Matric	1	and Science Requirement (Delete courses and un			тьо.г Т	T	
Dept	Course	Title	Iran	Transfer/AP Approval by SoE			Grade
'			√ if	SoE Initials	Date	Unit	
		26 units minimum)	Transfer				
MATH	19	Calculus (see note 1)				3	
ИТАП	20	Calculus				3	
MATH	21	Calculus				4	
CS	103	Mathematical Foundations of Computing				5	
CS	109	Introduction to Probability for Computer Scientists				5	
Plus two	electives	(see note 2)					
			Mather	natics Unit Total (20	6 units minimum)		
Scienc	ce (11 ur	nits minimum)	1				
PHYS		Mechanics (or PHYS 21 or PHYS 61)				4	
PHYS		Electricity and Magnetism (or PHYS 23 or PHYS 63)				4	
		Elective (see note 3)					
		,	Sc	ience Unit Total (1º	1 units minimum)		
			(37 u	nits min. Math/	Sci combined)		
Гесhn	ology ii	n Society Requirement (1 course required; see UGHB Fig	gure 3-3 for	approved list; s	see note 9)		
Engin	eerina l	Fundamentals (13 units minimum)	•			Į.	
CS		Programming Abstractions (B or X)				5	
NGR		Introductory Electronics (ENGR 40A and 40M also allowed; so	ee note 4)			5	
	 	Elective (See Fig. 3-4 in the UGHB for approved list; CS 106A		t allowed)	1		
	1	, , , , , , , , , , , , , , , , , , , ,		tals Total (13 ui	nite minimum)		

NOTES

- 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.
- Math 41, 42 may be taken instead of Math 19, 20, 21 as long as at least 26 math units are taken. (1)
- Math electives: Math 51, 104, 108, 109, 110, 113; CS 157, 205A; PHIL 151; CME 100, 102, 103 (or EE 103), 104. Completion of Math 52 & 53 (2) 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.
- 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).

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.

Dept	Course	Title	Transfer/Deviation Approval by Dept			Unit	Grade
			✓ if	Dept Initials	Date	Offic	Grade
Core (15 units minimum)		Transfer					
	107or107E	Computer Organization and Systems				5	
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	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 5)					
CS		Track Requirement D (see note 6)					
CS		Track Requirement E (see note 7)					
		Elective (see note 8)					
		Elective (see note 8)					
		Optional Elective (see note 8)					
Senior P	roject (1	course required)		-	-		
CS		At least 3 units of 191, 191W, 194, 194H, 194W, 210B, 294 or 2	294W (see	note 9)		3	
	-	Computer Science Core, Depth and	Senior Pro	ject Total (43 ur	nits minimum)		
Progra	ım App	rovals				-	
Depart	mental						
Printed Name:		Date:					
				·			
Signatur	e:						
School	of Eng	ineering (No action required-office use only)					
Printed Name:		Date:					
Signatur	e:						

NOTES (continued from page 1)

- (5) Track Requirement C: One additional course from the Track Requirement B list or the following: CS 144, 155, 242, 244; EE 180
- (6) Track Requirement D: Any one of CS 221, 223A, 228, 229, 231A
- (7) Track Requirement E: Any one of CS 145, 147, 148, 248, 262
- (8) At least two courses from the General CS Electives list: CS 108, 124, 131, 140, 142, 143, 144, 145, 147, 148, 149, 155, 157 (or PHIL 151), 164, 166, 167,168,190, 205A, 205B, 210A, 221, 223A, 224N, 224S, 224U, 224W, 225A, 227B, 228, 229, 229T, 231A, 231B, 231M, 231N, 232, 233, 240, 240H, 242, 243, 244, 244B, 245, 246, 247, 248, 249A, 251, 254, 255, 261, 262, 263, 264, 265, 266, 267, 270, 272, 273A, 273B, 274, 276, 279, 348B, 348C; CME 108; EE 180, 282, 364A
- (9) 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).