Stanford University • School of Engineering

Computer Science Individually Designed 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.

Name:

Phone:

SU ID #:

Email

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Today's Date:			Month/Yr B.	S. expected: _			
Math	ematics	and Science Requirement (Delete courses and	d units not ta	nken)			
Dept	Course	Title		Transfer/AP Approval by SoE			Grade
			✓ if	SoE Initials	Date	Unit	Grade
		(26 units minimum)	Transfer				
MATH	19	Calculus (see note 1)				3	
MATH	20	Calculus				3	
MATH	21	Calculus				4	
CS	103	Mathematical Foundations of Computing				5	
CS	109	Introduction to Probability for Computer Scientists				5	
Plus tw	o elective	s (see note 2)					
	•		Mathema	tics Unit Total (26	units minimum)		
Scien	ce (11 ι	ınits minimum)					
PHYS	41	Mechanics (or PHYS 21 or 61)				4	
PHYS	43	Electricity and Magnetism (or PHYS 23 or 63)				4	
		Elective (see note 3)				3 to 5	
Science Unit Total (11 units minimum							
			(37 un	its min. Math/S	ci combined)		
Techi	nology	in Society Requirement (1 course required; see UGH	B Figure 3-3 for	approved list;	see note 7)		
Engir	neering	Fundamentals (13 units minimum)					
cs		Programming Abstractions (B or X)				5	
ENGR		Introductory Electronics (ENGR 40A and 40M also allowed	; see note 4)			5	
		Elective (see Fig. 3-4 in the UGHB for appr'd list; neither CS 1		2nd E40 class	allowed)	3 to 5	

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.

Engineering Fundamentals Total (13 units minimum)

- * 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 41, 42 may be taken instead of Math 19, 20, 21 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 and 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).

CS Individually Designed Track Program Sheet (continued)

Transfer/Deviation Approval by Dept

CS Individually Designed Track Core, Depth, and Senior Project (43 units minimum)

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

Бері	Course	True	✓ if	Dept Initials	Date	Uniit	Grade			
		ninimum)	Transfer	-						
CS	107or107E	Computer Organization and Systems				5				
CS	110	Principles of Computer Systems				5				
CS	161	Design and Analysis of Algorithms				5				
Depth;	Track an	d Electives (25 units and seven courses minimum) see no	ote 5							
		1 course required)								
CS		At least 3 units of 191, 191W, 194, 194H, 194W, 210B, 29-				3				
Progr	am Ap _l	provals								
	rgradua Name:	ate Advisor		Date: _						
Signatu	ıre:									
	rtment Name:									
Signature:				Date:						
School Printed		gineering (No action required-office use only)		Date: _						
Signatu	ıre:									

NOTES (continued from page 1)

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- (5) Students may propose an Individually Designed Track. Proposals should include a minimum of seven courses, at least four of which must be CS courses numbered 100 or above. Proposals must be submitted & approved at least two quarters before graduation. To create an individually designed program, students should complete an *Individually Designed Track* program sheet and seek approval from their undergrad advisor and from the Associate Chair for Education, Prof. Mehran Sahami. Proposals will be evaluated for coherence and rigor. Approved program sheets should be given to the staff in the CS undergraduate program office. Any subsequent changes must go through the same proposal and approval process.
- (6) The WIM requirement may be met by taking CS 181W as a Technology in Society course or through the Senior Project course (191W, 194W, 210B, or 294W only).