## DEPARTMENT OF COMPUTER SCIENCE

## MSCS Program Sheet (2017-18)

Software Theory Specialization: Single Depth

	Adviser:		Date: _	
Student ID#: Email:	Proposed date for degree conferral:	_HCP?	_Coterm	?
GENERAL INSTRUCTIONS				
	ete a program sheet by filling in the number, name and u	nits of each co	urse vou	intend to
take for your degree. Program sheets, as	well as foundation course waiver forms, may be submi	itted electronic	ally on	the Gate
	rd.edu/ using your CS ID and password (click o	n the 'Dashl	ooard'li	nk). Se
http://cs.stanford.edu/degrees/mscs/program	sheets/psguide1718.pdf for detailed instructions.			
FOUNDATIONS REQUIREMENT				
You must satisfy the requirements listed in 6	each of the following areas; all courses taken elsewhere m	ust be approve	d by you	adviser
	enter anything in the "Units" column for courses taken e			
Note: If you are amending an old program sl	heet, enter "on file" in the approval column for courses th	at have already	y been ap	proved.
Required:	Equivalent elsewhere (course numbers/titles/institution)	Approval	Grade	Units
Logic, Automata & Complexity (CS103)				
Probability (CS109, Stat116, CME106, or MS&E220)				
Algorithmic Analysis (CS161)				
Computer Organ & Sys (CS107 or 107E)				
Principles of Computer Systems (CS110)				
SIGNIFICANT IMPLEMENTATION REQUIF	USED TO SATISFY FOUNDATIONS REQUIREMENT (M  REMENT  Doubt be designated as satisfying the "Significant Implement			Note th
	e other requirement (i.e., Breadth, Depth, or Elective). T			
	software development as part of the MSCS program. Lette			J
Course Number:	Title:			Grade
Course Number:	Title:			Grade
Courses that may be used to satisfy the sign 210B, 221, 227B, 243, 248, 341, and 346	gnificant implementation requirement include: CS 140 (any deviations from this list must be approved by the attion Requirement must be taken at Stanford. Students where the stanford is the stanford of the s	Associate Cha	air for E	148, 190 lucation
Courses that may be used to satisfy the significant Implementations at Stanford as undergraduates	gnificant implementation requirement include: CS 140 (any deviations from this list must be approved by the attion Requirement must be taken at Stanford. Students where the stanford is the stanford of the s	Associate Cha	air for E	148, 190 lucation
Courses that may be used to satisfy the signal 210B, 221, 227B, 243, 248, 341, and 346 Courses meeting the Significant Implementa	gnificant implementation requirement include: CS 140 (any deviations from this list must be approved by the attion Requirement must be taken at Stanford. Students where the stanford is the stanford of the s	Associate Change the previously to	air for E	148, 190 lucation
Courses that may be used to satisfy the signal 210B, 221, 227B, 243, 248, 341, and 346 Courses meeting the Significant Implementa these courses at Stanford as undergraduates  BREADTH REQUIREMENT	gnificant implementation requirement include: CS 140 (any deviations from this list must be approved by the ation Requirement must be taken at Stanford. Students who was request a waiver of this requirement.	Associate Change the previously to	air for Eo ook at le	148, 190 ducation ast two o
Courses that may be used to satisfy the sign 210B, 221, 227B, 243, 248, 341, and 346 Courses meeting the Significant Implementa these courses at Stanford as undergraduates  BREADTH REQUIREMENT	gnificant implementation requirement include: CS 140 (any deviations from this list must be approved by the ation Requirement must be taken at Stanford. Students who was request a waiver of this requirement.	Associate Change the previously to	air for Eo ook at le	148, 190 lucation ast two o
Courses that may be used to satisfy the signal 210B, 221, 227B, 243, 248, 341, and 346 Courses meeting the Significant Implementa these courses at Stanford as undergraduates  BREADTH REQUIREMENT	gnificant implementation requirement include: CS 140 (any deviations from this list must be approved by the ation Requirement must be taken at Stanford. Students who was request a waiver of this requirement.	Associate Change the previously to	air for Eo ook at le	148, 19 ducation ast two

<u>Courses that may be used to satisfy the Software Theory breadth requirement include</u>: CS 124, 140 or 140E, 147, 148, 149, 154, 155, 157, 205A, 221, 223A, 224N, 224S, 224U, 224W, 227B, 228, 229, 231A or 231B, 233, 234, 240, 240E, 240H, 244B, 244E, 246, 249A, 262, 269I, 270, 273A, 274, 276, 279; CME 108, 302; EE 180, 282.

## UNITS FOR THE SOFTWARE THEORY SINGLE DEPTH SPECIALIZATION

	it for your depth must meet the following requirements. Any deviations fr	ioni ine stated requirements	s must be
adviser-approved devi	by your adviser in the Adviser Notes box provided (maximum of one ation allowed). Courses taken for your Stanford undergraduate degree do I. Enter course selection in the table below:	Adviser Notes	
<ul><li>c) At least tv 355, 367</li><li>d) A total of CS 250, 2</li></ul>	ne of: CS 244, 245, 341, 343, 345 yo of the following: CS 242, 255, 261, 263, 264, 265, 266, 267, 268, at least 27 units chosen from categories (a) through (c) or the following: 51, 294S*, 346, 362, 393*, 395*, 399* (courses with * notation require of MS adviser)		
Course number	Title (Depth courses must be taken for at least 3 units.)	Grade	Units
ТО	TAL SPECIALIZATION UNITS APPLIED TO MSCS (must total at least 27	units) Letter grades only.	,
	al courses used to complete the 45-unit requirement for the MSCS degree.		
<b>three units</b> of 500-led Electives toward the	rel CS seminars, CS300, EE380, EE385A, or other 1-2 unit seminars offer MS degree. Electives must be technical courses numbered above 100, reser and MS program administrator. CS courses numbered above 110, ex	red in the School of Engine related to the degree progr	eering, as ram, and
three units of 500-led Electives toward the approved by the advi	rel CS seminars, CS300, EE380, EE385A, or other 1-2 unit seminars offer MS degree. Electives must be technical courses numbered above 100, reser and MS program administrator. CS courses numbered above 110, ex	red in the School of Engine related to the degree progr	eering, as ram, and are pre-
three units of 500-led Electives toward the approved by the advi- approved as MS election	rel CS seminars, CS300, EE380, EE385A, or other 1-2 unit seminars offer MS degree. Electives must be technical courses numbered above 100, reser and MS program administrator. CS courses numbered above 110, exves.	red in the School of Engine related to the degree progreduding CS196 or CS198,	eering, as ram, and are pre-
three units of 500-led Electives toward the approved by the advi- approved as MS election	rel CS seminars, CS300, EE380, EE385A, or other 1-2 unit seminars offer MS degree. Electives must be technical courses numbered above 100, reser and MS program administrator. CS courses numbered above 110, exves.	red in the School of Engine related to the degree progreduding CS196 or CS198,	eering, as ram, and are pre-
three units of 500-led Electives toward the approved by the advi- approved as MS election	rel CS seminars, CS300, EE380, EE385A, or other 1-2 unit seminars offer MS degree. Electives must be technical courses numbered above 100, reser and MS program administrator. CS courses numbered above 110, exves.	red in the School of Engine related to the degree progreduding CS196 or CS198,	eering, as ram, and are pre-
three units of 500-led Electives toward the approved by the advi- approved as MS election	rel CS seminars, CS300, EE380, EE385A, or other 1-2 unit seminars offer MS degree. Electives must be technical courses numbered above 100, reser and MS program administrator. CS courses numbered above 110, exves.	red in the School of Engine related to the degree progreduding CS196 or CS198,	eering, as ram, and are pre-
three units of 500-led Electives toward the approved by the advi- approved as MS election	rel CS seminars, CS300, EE380, EE385A, or other 1-2 unit seminars offer MS degree. Electives must be technical courses numbered above 100, reser and MS program administrator. CS courses numbered above 110, exves.  Title	red in the School of Engine related to the degree progreduding CS196 or CS198,	eering, as ram, and are pre-
three units of 500-led Electives toward the approved by the advi- approved as MS election	rel CS seminars, CS300, EE380, EE385A, or other 1-2 unit seminars offer MS degree. Electives must be technical courses numbered above 100, reser and MS program administrator. CS courses numbered above 110, exves.  Title  TOTAL ELECTIVE U	red in the School of Engine related to the degree prograculuding CS196 or CS198,  Grade  UNITS APPLIED TO MSCS	eering, as ram, and are pre-
three units of 500-led Electives toward the approved by the advi- approved as MS election	rel CS seminars, CS300, EE380, EE385A, or other 1-2 unit seminars offer MS degree. Electives must be technical courses numbered above 100, reser and MS program administrator. CS courses numbered above 110, exves.  Title  TOTAL ELECTIVE U	red in the School of Engine related to the degree prograculuding CS196 or CS198,  Grade	eering, as ram, and are pre-
ADDITIONAL REQUIREME  ADDITIONAL REQUIREME  All courses submitted  At most 10 units of CS/  At least 36 units subm  The average grade in t  Units previously applie	rel CS seminars, CS300, EE380, EE385A, or other 1-2 unit seminars offer MS degree. Electives must be technical courses numbered above 100, reser and MS program administrator. CS courses numbered above 110, exves.  Title  TOTAL ELECTIVE C	Grade  UNITS APPLIED TO MSCS  Caken for a letter grade.	eering, as ram, and are pre-
ADDITIONAL REQUIREME  • All courses submitted • At most 3 units of CS/ • At least 36 units subm • The average grade in t • You must complete at	TOTAL ELECTIVE U  TOTAL ELECTI	Grade  UNITS APPLIED TO MSCS  Caken for a letter grade.	eering, as ram, and are pre-

FOR DEPARTMENT USE: UNITS\_\_\_\_ CR/NC\_\_\_ GPA\_\_\_\_