STANFORD UNIVERSITY SCHOOL OF ENGINEERING

2005-06

Computer Systems Engineering Robotics and Mechatronics Specialization

Name:				Local Phone:						
Local Address:					E-mail:					
				-	Date B.S	S. expected:				
ID #:				-	24.0 2.1					
12				-						
		1			√if	Transfer Cre	Transfer Credit			
Dept	No	Title	Total Units	Grade	-	Course #/School	Approval			
							Date			
16.1			Omts	<u> </u>	ici		Date	IIIIII		
		s minimum required)		1	1					
MATH	41	Calculus	5				_			
MATH	42	Calculus	5				_			
MATH	51	Calculus	5				_			
MATH	52 or 53	Calculus	5				_			
STAT	116	Probability(or MS&E 120 or CME 106)	3 to 5							
		Mathematics Total		(23 un	its minin	num)				
Science (1)	2 units mini	imum required)								
PHYSICS		Mechanics	4							
PHYSICS		Electricity and Magnetism	4							
PHYSICS		Light and Heat	4				1			
11115105	1.5	Science Total		(12 un	its minin	 num)	_	l l		
	Science Total](12 000							
Engineerin	ig Fundame	entals (13 units minimum required)								
CS	106	Programming Abstract (A and B, or X)	5							
ENGR	40	Introductory Electronics	5							
		Elective (see note 1)								
	•	Fundamentals Total		(13 un	its minin	num)				
				1,		,				
Technolog	y in Society	(1 course required, 3-5 units, see list in the	he Scho	ol of E	ngineeri	ng Undergraduate Hand	dbook)	1		
Totals This Page				1						
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NOTES:

- 1 One course required, 3 to 5 units. See Engineering Fundamentals list in the SoE Undergraduate Handbook.
- 2 Independent study projects (CS191 or 191W) require faculty sponsorship and must be approved, in advance, by the advisor, faculty sponsor, and the CSE program advisor (Bob Plummer or Patrick Young). A signed approval form, along with a brief description of the proposed project, should be filed with the department representative in Gates room 182 the quarter before work on the project is begun.
- $3\,$ Students opting to take CS103X instead of CS103A and B must complete the higher number of courses.

Computer Systems Engineering

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	No	Title		Grade	√if	Transfer Credit		
Dept			Total		Trans-	Course #/School	App	roval
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Computer	Systems E	Engineering Depth (53 units minimum requ	ired)	•			•	
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CS	103	Discrete Structures (X, or A and B)	4 or 6					
CS	107	Programming Paradigms	5					
CS	108	Object-Oriented Systems Design	4					
EE	102A	Signals and Systems I	4					
EE	102B	Signals and Systems II	4					
EE	108A	Digital Systems I	4					
EE	108B	Digital Systems II	3 or 4					
Senior Pro	oject	CS191, 191W, 194, 294, or 294W (see	3					
		note 2 on previous page)						
	C	Computer Systems Engineering Core Total		(32 un	its mini	mum)		
Depth (19	units mini	mum)						
CS	205	Mathematical Methods	3					
CS	223A	Introduction to Robotics	3					
ME	210	Intro to Mechatronics (or EE118)	4					
ENGR	105	Feedback Control Design	3					
		the following (see note 3 on previous page)	I .					
CS	223B	Introduction to Computer Vision	3					
CS	225A	Experimental Robotics	3					
CS	225B	Robot Programming Laboratory	4					
ENGR	205	Intro to Control Design Techniques	3					
ENGR	206	Control System Design and Simulation	4					
ENGR	207A	Modern Control Design I	3					
ENGR	207B	Modern Control Design II	3					
DI (OII		omputer Systems Engineering Depth Total		(19 un	its mini			L
		Simplifier Systems Engineering Depin Fordi		(1) 000	iis mini			
		Totals from this page		Ī				
		Totals from previous page						
		Program totals						
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Departme	ntal Appro	<u>val</u>						
Printed N	ame:				Date:			
Signature:				-				
Signature	•			-				
School of	Engineerin	ng Approval						
Printed Name:					Date:			
Signature:				-				
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GENERAL NOTES

- CS191W, 194, 201 or 294W will fulfill the "Writing in the Major" requirement for Freshmen and transfer students entering Fall 1996 or later.
- This form is available as an Excel file at ughb.stanford.edu. The printed form must be signed by the department representative in Gates room 182. Changes must be initialed in ink.
- Transfer credits in Math, Science, Fundamentals, and TIS must be approved by the Senior Associate Dean for Student Affairs in Terman 201. Transfer credits in Computer Systems Engineering Core and Depth must be approved by Asst. Chair Margaret Johnson. A maximum of three (3) Computer Systems Engineering Core and Depth courses may be covered with transfer credit.
- Courses may be listed under only one category.
- All courses listed on this form must be taken for a letter grade if offered by the instructor.
- Minimum Grade Point Average (GPA) for all courses in Engineering Fundamentals and Computer Systems Engineering Core and Depth (combined) is 2.0.