STANFORD UNIVERSITY
SCHOOL OF ENGINEERING

1999-00
Computer Science

Name: _____ Local Phone: _____

Local Address: _____ E-mail: _____

_____ Date B.S. expected: _____

ID #: _____

Dept	No	Title	Total Units	Grade	if Trans-fer	Transfer Credit Course #/School	Approval Date	Initial

Mathematics (25 units minimum required)

Dept	No	Title	Total Units	Grade	if Trans-fer	Course #/School	Date	Initial
Math	41	Calculus (see note 1)	5					
Math	42	Calculus	5					
Stat	116	Probability (or EES/OR 120)	5					
CS	103X	Discrete Structures (see note 2)	4					

Plus any two of the following courses:

Dept	No	Title	Total Units	Grade	if Trans-fer	Course #/School	Date	Initial
Math	51	Calculus	5					
Math	103/113	Linear Algebra	3					
Math	109	Applied Modern Algebra	3					
CS	157	Logic (or Phil 160A)	4					
CS	205	Mathematics for Robotics and Vision	3					

Mathematics Total [   ] *(25 units minimum)*

Science (12 units minimum required)

Dept	No	Title	Total Units	Grade	if Trans-fer	Course #/School	Date	Initial
Phys	41	Mechanics	3					
Phys	43	Electricity	3					
Phys	45	Magentism	3					
		Elective (see note 3)						

Science Total [   ] *(12 units minimum)*

Engineering Fundamentals (10 units minimum required)

Dept	No	Title	Total Units	Grade	if Trans-fer	Course #/School	Date	Initial
CS	106	Programming Abstractions (B or X)	5					
Engr	40	Introductory Electronics	5					

Fundamentals Total [   ] *(10 units minimum)*

Technology in Society (1 course required, 3-5 units, see list in front of Handbook)

Totals This Page [   ]

NOTES:
(1) Math 19, 20 and 21 may be taken instead of Math 41 and 42 as long as at least 25 math units are taken.
(2) Starting in 2000-2001, the department will offer a 103A/B sequence that covers the same material as CS103X. For this year, students may use CS109 and CS157 as a two-quarter substitute for CS103X, but may not then count CS157 as a mathematics elective.
(3) The Science elective may be any course of 3 or more units from the School of Engineering list plus Psych 30 or 40; AP Biology or Chemistry also meets this requirement. Either of the physics sequences 61/63 or 21/23 may be substituted for 41/43/45 as long as at least 12 science units are taken.
(4) The two systems electives must be chosen from the following set: CS140, 143, 242 and 244A. The systems electives must include a course with a large software project, currently satisfied by either CS140 or 143.
(5) The applications elective must be chosen from the following set: CS145, 147, 148, 223A, 223B or 248.
(6) The list of approved electives is reviewed annually by the Undergraduate Program Committee. The current list consists of CS 110, 137, 140, 143, 145, 147, 148 or 248, 157, 205, 222, 223A, 223B, 225A, 225B, 226, 227, 228, 229, 240, 242, 243, 244A, 245, 247A, 247B, 249, 255, 256, 257, 258, 261, 274 and EE282.

Computer Science

Dept	No	Title	Total Units	Grade	if Trans-fer	Transfer Credit Course #/School	Approval Date	Initial

Computer Science Depth (46 units minimum required)

Programming (2 courses)

Dept	No	Title	Total Units	Grade	if Transfer	Course #/School	Date	Initial
CS	107	Programming Paradigms	5					
CS	108	Object-Oriented Systems Design	4					

Theory (2 courses)

Dept	No	Title	Total Units	Grade	if Transfer	Course #/School	Date	Initial
CS	154	Automata and Complexity Theory	4					
CS	161	Design and Analysis of Algorithms	4					

Systems (3 courses-see note 4 on the previous page)

Dept	No	Title	Total Units	Grade	if Transfer	Course #/School	Date	Initial
EE	182	Computer Organization	4					

Applications (2 courses-see note 5 on the previous page)

Dept	No	Title	Total Units	Grade	if Transfer	Course #/School	Date	Initial
CS		Artificial Intelligence (CS 121 or 221)	3					

Project (1 course)

Dept	No	Title	Total Units	Grade	if Transfer	Course #/School	Date	Initial
CS		At least 3 units of 191, 191W or 194						

Restricted Electives (3 courses-see note 6 on the previous page)

Dept	No	Title	Total Units	Grade	if Transfer	Course #/School	Date	Initial

Totals from this page [   ]
Totals from previous page [   ]
Program totals [   ]

Departmental Approval

Printed Name: _____   Date: _____
Signature: _____

School of Engineering Approval

Printed Name: _____   Date: _____
Signature: _____

GENERAL NOTES
- CS 191W, 194 or 201 will fulfill the "Writing in the Major" requirement for students entering Fall 1996 or later.
- This form is available on the web at ughb.stanford.edu. The form must be completed in ink and the completed form must be signed by the CS department representative located in Gates 182. Corrections must be initialled in ink.
- Transfer credits in Math, Science, Fundamentals, and TIS must be approved by the Senior Associate Dean for Student Affairs in Terman 208. Transfer credits in Computer Science Depth must be approved by the departmental representative.
- 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 Science Depth (combined) is 2.0.

REV: 9/99