DEPARTMENT OF COMPUTER SCIENCE
MSCS Program Sheet (2008-09)
Individually Designed Specialization

Name: ________________________________ Adviser: ________________________________ Date: ______
Student ID#: __________ Email: __________________ Proposed date for degree conferral: ________ HCP? ______ Coterm? ______

GENERAL INSTRUCTIONS
Before the end of your first quarter, you should complete the following steps. Detailed instructions are included in the Guide to the MSCS Program Sheet in your orientation packet (an online version is available at cs.stanford.edu/Degrees/mscs/programsheets/):

• Complete this program sheet by filling in the number, name and units of each course you intend to use for your degree.
• Attach a course schedule showing the year and quarter in which you intend to take each course in your program sheet.
• Meet with your adviser and secure the necessary signatures on the program sheet and any breadth course waiver forms.
• Submit the originals to the MS Program Administrator, Claire Stager, in Gates 182.

BREADTH REQUIREMENT
You must satisfy the requirements listed in each of the following areas; all courses taken elsewhere must be approved by your adviser on a breadth course waiver form. Do not enter anything in the “Units” column for courses taken elsewhere.
Note: If you are amending an old program sheet, enter “on file” in the approval column for courses that have already been approved.

Area A: Mathematical and theoretical foundations
Required: Equivalent elsewhere (course number/title/institution) Approval Grade Units
Probability(CS109, Stat116, CME106, or MS&E220)
Automata and Complexity (CS154)
Algorithmic Analysis (CS161)
Choose one of:
Numerical Analysis (CME108 or CME302)
Logic (CS156, CS157, CS258, or Phil 251)
Mathematical Methods (CS205A)

Area B: Computer systems
Required: Equivalent elsewhere (course number/title/institution) Approval Grade Units
Computer Architecture (EE108B or EE282)
Choose two of:
Operating Systems (CS140)
Compilers (CS143 or CS243)
Computer Networks (CS144 or EE284)

Area C: AI and applications
Choose two, including one at 200 level Equivalent elsewhere (course number/title/institution) Approval Grade Units
AI (CS121 or CS221)
Databases (CS145 or CS245)
Graphics (CS148 or CS248)

TOTAL UNITS USED TO SATISFY BREADTH REQUIREMENT (AREAS A, B, AND C) ________
Note: This total may not exceed 21 units.

SEMINARS
You must take at least one 500-level CS seminar, or EE 380 or 385A. No more than three units of seminars or 1-2 unit courses may be counted towards the MS degree.

Course number Title Grade Units

TOTAL SEMINAR UNITS APPLIED TO MSCS
DEPTH UNITS FOR THE INDIVIDUALLY DESIGNED SPECIALIZATION

The courses you submit for your individually designed specialization must total at least 21 units, and must include courses at both the 200 and 300 level. Your proposal should represent a coherent area of study and must be approved by the MSCS program committee. Send your proposal, along with an endorsement from a CS faculty member, to Claire Stager at stager@cs. Your proposal will be reviewed by the MSCS program committee. A message with the decision reached by the committee will be sent to you when they have concluded their review (generally in one week’s time).

If your proposal is approved, enter the courses in the table below, obtain your advisor’s signature at the bottom of this form, and return it to Claire in Gates 182:

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TOTAL SPECIALIZATION UNITS APPLIED TO MSCS (must total at least 21 units)

ELECTIVES
List here any additional courses used to complete the 45-unit requirement for the MSCS degree.

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TOTAL ELECTIVE UNITS APPLIED TO MSCS

ADDITIONAL REQUIREMENTS
• All courses submitted for the MSCS degree must be numbered 100 or greater.
• At most 21 units of introductory courses (CS100-110) or breadth requirements courses may be counted toward your 45 units.
• At least 36 units submitted for the MSCS degree, including all courses taken for your specialization, must be taken for a letter grade.
• The average grade in the courses submitted for the MSCS must be at least a B (3.0 in Stanford’s GPA scale).
• Units previously applied toward BS requirements may not also be counted toward the MSCS.
• You must complete at least 45 graduate units at Stanford before receiving the MSCS degree.

Adviser’s signature: ___________________________ Date: ______________

Department approval (Claire Stager): ___________________________ Date: ______________

FOR DEPARTMENT USE: UNITS_______ CR/NC_______ GPA_______