DEPARTMENT OF COMPUTER SCIENCE  
MSCS Program Sheet (2001-02)  
Systems 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:

• 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.
• Make copies of the completed program sheet and course schedule and return the originals to 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. 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

<table>
<thead>
<tr>
<th>Required:</th>
<th>Equivalent elsewhere (course number/title/institution)</th>
<th>Approval</th>
<th>Grade</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statistics (Stat 116 or Man Sci &amp; Eng 220)</td>
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<tr>
<td>Automata and Complexity (CS154)</td>
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<tr>
<td>Algorithmic Analysis (CS161)</td>
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Choose one of:

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<tr>
<td>Numerical analysis (CS137 or CS237A)</td>
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<tr>
<td>Logic (CS157, CS257, CS258, or Phil 160A)</td>
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Area B: Computer systems

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<thead>
<tr>
<th>Required:</th>
<th>Equivalent elsewhere (course number/title/institution)</th>
<th>Approval</th>
<th>Grade</th>
<th>Units</th>
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<tbody>
<tr>
<td>Computer Architecture (EE282)</td>
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Choose two of:

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<tbody>
<tr>
<td>Operating Systems (CS140)</td>
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<tr>
<td>Compilers (CS143)</td>
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<tr>
<td>Computer Networks (CS244A or EE284)</td>
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Area C: AI and applications

Choose two, including one at 200 level

<table>
<thead>
<tr>
<th>Equivalent elsewhere (course number/title/institution)</th>
<th>Approval</th>
<th>Grade</th>
<th>Units</th>
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<tbody>
<tr>
<td>AI (CS121 or CS221)</td>
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<tr>
<td>Databases (CS145 or CS245)</td>
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<tr>
<td>Graphics (CS148 or CS248)</td>
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TOTAL UNITS USED TO SATISFY BREADTH REQUIREMENT (AREAS A, B, AND C) __________

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

<table>
<thead>
<tr>
<th>Course number</th>
<th>Title</th>
<th>Grade</th>
<th>Units</th>
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TOTAL SEMINAR UNITS APPLIED TO MSCS __________
DEPTH UNITS FOR THE SYSTEMS SPECIALIZATION
The courses you submit for your specialization must meet the following requirements:

(a) Each of the following courses:
   ___ CS240  ___ CS242

(b) At least three of the following:
   ___ CS243  ___ CS245  ___ CS348B  ___ EE275
   ___ CS244A ___ CS248  ___ EE271  ___ EE382

(c) At least six more units from category (b) and the following courses:
   ___ CS194  ___ CS342  ___ CS448  ___ EE482B
   ___ CS241  ___ CS343  ___ EE183  ___ EE487
   ___ CS244B ___ CS344  ___ EE281  ___ EE488
   ___ CS244C ___ CS345  ___ EE318  ___ EE489
   ___ CS246  ___ CS346  ___ EE319  ___ Psych267
   ___ CS249  ___ CS347  ___ EE374
   ___ CS255  ___ CS348A ___ EE384A
   ___ CS315A ___ CS348C ___ EE384B
   ___ CS315B ___ CS349  ___ EE482A

Any deviations from the stated requirements must be noted and approved by your adviser in the box provided. All specialization courses must be taken for a letter grade.

Course number  Title  Grade  Units

TOTAL SPECIALIZATION UNITS APPLIED TO MSCS

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

Course number  Title  Grade  Units

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 (CS100-109) 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 _____