DEPARTMENT OF COMPUTER SCIENCE  
MSCS Program Sheet (2000-2001)  
Artificial Intelligence 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.

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:

- Numerical analysis (CS137 or CS237A)
- Logic (CS157, CS257, CS258, or Phil 160A)

Area B: Computer systems

<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>Computer Architecture (EE182 or EE282)</td>
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Choose two of:

- Operating Systems (CS140)
- Compilers (CS143)
- Computer Networks (CS244A or EE284)

Area C: AI and applications

<table>
<thead>
<tr>
<th>Required:</th>
<th>Equivalent elsewhere (course number/title/institution)</th>
<th>Approval</th>
<th>Grade</th>
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<tbody>
<tr>
<td>Artificial Intelligence (CS221)</td>
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</table>

Choose one of:

- Databases (CS145 or CS245)
- Graphics (CS148 or CS248)

TOTAL UNITS USED TO SATISFY BREADTH REQUIREMENT (AREAS A, B, AND C) ________

TRANSFER CREDITS
If you have taken courses as a graduate student, after the conferral of the bachelor’s degree, you may ask to transfer up to nine units of coursework to the MSCS requirements. Adviser approval is required. Attach a transcript showing the courses and grades earned.

<table>
<thead>
<tr>
<th>Course number</th>
<th>Title</th>
<th>Approval</th>
<th>Grade</th>
<th>Units</th>
</tr>
</thead>
</table>

TOTAL TRANSFER UNITS APPLIED TO MSCS ________

SEMINARS
You must take at least one and no more than three units of 500-level seminar:

<table>
<thead>
<tr>
<th>Course number</th>
<th>Title</th>
<th>Grade</th>
<th>Units</th>
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</thead>
</table>

TOTAL SEMINAR UNITS APPLIED TO MSCS ________
DEPTH UNITS FOR THE ARTIFICIAL INTELLIGENCE SPECIALIZATION

The courses you submit for your specialization must meet the following requirements:

a) At least four of the following courses:

- CS222
- CS223A
- CS223B
- CS224M
- CS224N
- CS227
- CS228
- CS229
- CS326A

(b) A total of 21 units from category (a) and the following courses:

- CS205
- CS206
- CS225A
- CS225B
- CS226
- CS256
- CS257
- CS270A
- CS271
- CS323
- CS327A
- CS328
- CS329
- CS354
- CS377
- CS379
- CS426

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.

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### Course number | Title | Grade | Units
|-----------------|-------|-------|-----
|                 |       |       |     
|                 |       |       |     
|                 |       |       |     
|                 |       |       |     

**TOTAL SPECIALIZATION UNITS APPLIED TO MSCS**

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### ELECTIVES

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

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### 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 the equivalent of three full-tuition quarters at Stanford before receiving the MSCS degree.

Adviser’s signature: ___________________________ Date: ______________

Department approval (Claire Stager): ___________________________ Date: ______________

FOR DEPARTMENT USE: UNITS _______ CR/NC _______ GPA _______ RESIDENCY. 