UCR Computer Science and Engineering

Program Plan for Ph.D. Student

Date _____   First quarter/year in program _____

Name _____   SID _____

A. Admission Deficiencies (if any were present at the time of admission, please indicate how they were met):_____
_____

B. Degree Requirements: A total of 44 units are required. These requirements consist of approved graduate (200) or upper-division undergraduate (100) courses, satisfying all four of the following coursework categories. All of these courses must be taken for a letter grade, and *no course can be counted towards more than one category.* Units obtained in CS 270, 287, 290, 297, 298I, 299, 301 and 302 cannot be counted

1. **Core Requirement (12 units):** Choose three courses from at least two of the three Core Areas described below, with no grade lower than "B-" and an overall core course GPA of at least 3.2

Core course	Select course		Grade	Units	Quarter
Hardware design principles	CS 203	CS 220	___ / ___	___ / ___	___ / ___
Theoretical foundations	CS 215	CS 218	___ / ___	___ / ___	___ / ___
Software and systems	CS 201	CS 202	___ / ___	___ / ___	___ / ___

2. **Depth Requirement (8 units):** Choose two courses listed under the <u>same</u> Major Specialty from Areas A to H below.
   A. Algorithms, Bioinformatics, and Theory of Computation: CS 214, CS 215, CS 218, CS 219, CS 234, CS 238
   B. Computer Architecture, Embedded Systems, and CAD: CS 203, CS 213, CS 220, CS 223, CS/EE 217, EE 213, CS 251, EE 255
   C. Databases, Data Mining, & Machine Learning: CS 205, CS 222, CS 224, CS 225, CS 226, CS 227, CS 229, CS 235, CS 236, CS 242, CS/EE 228, CS/EE 248, CS/EE 252A, CS 258/EE 227
   D. Operating Systems and Distributed Systems: CS 202, CS 211, CS 237, CS 253, CS 255
   E. Computer Networks: CS 204, CS 208, CS 237, CS 239, CS 240, CS 241, CS 254, CS 255, CS 257
   F. Programming Languages, Compilers, and Software Engineering: CS 201, CS 206, CS 207, CS 246, CS 249
   G. Computer Graphics and Human-Computer Interaction: CS 210, CS 230, CS 231, CS 233, ME 230, ME 231
   H. Cybersecurity: CS 216, CS 250, CS 254, CS 255

Select one Major Specialty Area: ___ A   ___ B   ___ C   ___ D   ___ E   ___ F   ___ G   ___ H

Depth Course	Grade	Units	Quarter
_____	_____	_____	_____
_____	_____	_____	_____

4. **Breadth Requirement (12 units):** Choose three courses from at least two different Major Specialty Areas (A to H) outside the depth area. No course that is listed in the student's depth area can be used to fulfill the breadth requirement, even if it is cross-listed in another area.

Breadth Course	Grade	Units	Quarter
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

5. **Elective Requirement (12 units):** The remaining courses can be selected from additional CS graduate lecture courses, up to 8 units of graduate seminars in CS 260-CS 269, and up to 8 units of approved <u>undergraduate technical electives</u> courses.

Elective Course	Grade	Units	Quarter
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

C. Professional Development Requirement: PhD students must satisfactorily complete six quarters of CS287. List all quarters/years you took this course _____