UCR Computer Science and Engineering

Program Plan for M.S Student

Date _____   First quarter/year in program _____

Name _____   SID _____

Project/Thesis advisor _____   Comp. Exam (*office use only*) _____

A. Degree Requirements: 48 total units required. 24 units must be 200-level. All courses used to satisfy these requirements (with the exception of CS 297 and CS 299) must be taken for a letter grade. *No course can be counted towards more than one category.*

1. Core Requirement (8 units): Choose one course from two of the three Core Areas listed. B- or better required

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. Breadth Requirement (8 units): Two approved breadth courses chosen in such a way that together the core and breadth courses cover four different Major Specialty Areas (A to H).
  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

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

3. Electives (32 units): Select one of the options below

___ COMPREHENSIVE EXAM – electives must include at least 16 units of approved graduate lecture courses, up to 8 units of graduate seminars in CS 260-269, and up to 12 units of approved undergraduate technical electives. Research units (297 or 299) may not be used to satisfy any course requirements under this option.

___ PROJECT – electives may include up to 4 units of Directed Research (297). Of the remaining 28 units, at least 12 units must be approved graduate lecture courses. The remaining 16 units may include additional approved lecture courses, up to 8 units of graduate seminars in CS 260-269, and up to 12 units of approved undergraduate technical electives.

___ THESIS – electives may include up to 12 units of graduate research (CS 297 or 299). Of the remaining 20 units, at least 4 units must be approved graduate lecture courses. The remaining 16 units may include additional approved graduate lecture courses, up to 8 units of graduate seminars in CS 260-269, and up to 8 units of approved undergraduate technical electives.

Elective Course	Grade	Units	Quarter	Approved graduate lecture course
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

B. Professional Development Requirement – MS students must satisfactorily complete one of the following courses: one quarter of CS 287, GDIV 301, GDIV 403, or at least one unit of CS 298I. Other professional development courses may be used to satisfy this requirement if approved by the graduate advisor. List course and quarter/year taken _____