

COMPUTER SCIENCE

Requirement Checklist for MS and Ph.D. Degrees

Last _____	First _____	Entered _____
Advisor _____		Degree Goal _____
E-mail _____		Student ID # _____

COURSE REQUIREMENTS

CORE Course	Quarter Passed	BREADTH Course	Area	Quarter Passed
201	_____	_____	_____	_____
203	_____	_____	_____	_____
ARCH CE 110/202	_____	RESEARCH & TEACHING (CS 200)		_____

MS Thesis candidates must take **4** additional courses (including up to 10 units of 297 and 299)

Course	Passed	Course	Passed	Course	Passed	Course	Passed
1) _____	_____	2) _____	_____	3) _____	_____	4) _____	_____

MS Project candidates must take 4 additional courses (not including 297 or 299) and enroll in a project class

Course	Passed	Course	Passed	Course	Passed	Course	Passed
1) _____	_____	2) _____	_____	3) _____	_____	4) _____	_____

Project Class _____

Ph.D. candidates must take **6** additional courses (including up to 10 units of 297 and 299)

Course	Passed	Course	Passed	Course	Passed
1) _____	_____	3) _____	_____	5) _____	_____
2) _____	_____	4) _____	_____	6) _____	_____

Other Courses
_____, _____, _____, _____, _____

Incompletes Pending
_____, _____, _____, _____, _____

Failed Courses
_____, _____, _____, _____, _____

Additional research units _____

TA Requirement (Ph.D. F 00 and beyond)

Course #1 _____ Quarter _____

MS in Computer Science – Thesis Track

Course Requirements - 48 units

- The **core** sequence: CS 201, Analysis of Algorithms and CS 203, Programming Languages and Environments. Core courses cannot be used to satisfy the breadth requirement
- The **breadth** requirement: three additional courses selected from any of the breadth categories. No more than one course from any one area may be used to satisfy this requirement.
- Four **elective** courses selected from CS or CE 200-level (graduate) courses. One of the elective graduate courses may be replaced by two upper-division undergraduate courses in CS, other than CS 101. At least 28 units are required to be in CS.
- Up to two of the elective courses may be a CS 297 course (Independent Study / Research) or a CS 299 course (Thesis Research).
- CS 200, Research and Teaching (3 units)
- Computer architecture proficiency to be established by CE 110 or CE 202 or equivalent course elsewhere (approval required)

The course of study must be approved by the student's advisor. Substitution of courses from other disciplines are allowed for the elective requirement, if approved by the student's advisor and the CS graduate director.

MS in Computer Science - Project Track

Course Requirements – 50 units

- The **core** sequence: CS 201, Analysis of Algorithms and CS 203, Programming Languages and Environments. Core courses cannot be used to satisfy the breadth requirement.
 - The **breadth** requirement: three additional courses selected from any of the breadth categories (see attached list). No more than one course from any one area may be used to satisfy this requirement.
 - Four **elective** courses selected from CS or CE 200-level (graduate) courses. One of the elective graduate courses may be replaced by two upper-division undergraduate courses in CS, other than CS 101.
 - None of the nine course may be a CS 297 course (Independent Study / Research) or a CS 299 course (Thesis Research)
 - CS 200, Research and Teaching (3 units)
 - Computer architecture proficiency to be established by CE 110 or CE 202 or equivalent course elsewhere (approval required)
 - At least five of the nine courses are required to be in CS. At least 30 units are required to be in CS.
 - The student must enroll in the Master's **project course**. This is an additional two-unit course that will not count towards the nine required courses.

The course of study must be approved by the student's advisor. Substitutions of courses from other disciplines are allowed for the elective requirement, if approved by the student's advisor and the Computer Science Department graduate director.

Ph.D. in Computer Science

Course Requirements – 58 units

Each student is required to take a minimum of eleven CS or CE graduate courses, as follows:

- The **core** sequence: CS 201, Analysis of Algorithms and CS 203, Programming Languages and Environments. Core courses cannot be used to satisfy the breadth requirement.
- Three additional courses selected from any of the **breadth** categories. No more than one course from any one area may be used to satisfy this requirement.
- Six **elective** courses selected from CS or CE 200-level (graduate) courses.
- Up to two of the elective courses may be a CS 297 course (Independent Study / Research) or a CS 299 course (Thesis Research). At least 33 units are required to be in CS.
- CS 200, Research and Teaching (3 units)
- Computer architecture proficiency to be established by CE 110 or CE 202 or equivalent course elsewhere (approval required)
- One quarter of Teaching Assistantship

The course of study must be approved by the student's advisor. Courses from other disciplines may be used to fill the elective requirement with prior approval of the student's adviser and the CS graduate director.