COMPUTER SCIENCE

Requirement Checklist for MS and Ph.D. Degrees

Last_____ First_____ Entered_____

Degree Goal Select E-mail_____ Student ID #_____

COURSE REQUIREMENTS

CORE Course	Quarter Passed	**BREADTH** Course	Area	Quarter Passed
201	_____	_____	_____	_____
203	_____	_____	_____	_____
		_____	_____	_____

ARCH
CE 110/202 _____
**CE110 only waives the architecture requirement, units will not be counted.*

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 the project class

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

Project Class (CMPS 296) _____

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

Each student is required to take 48-units as follows:

- CMPS 200 (3 units)
- CMPS 201 (*Analysis of Algorithms: 5 units*)
- CMPS 203 (*Programming Languages: 5 units*)
- A base requirement in computer architecture must be met by taking CMPE 110 (grade B or above) or CMPE 202 or equivalent elsewhere (approval required).
- One course each from three different breadth categories for a total of 3 courses (15 units).
- Up to 10 units of CMPS297 (*Independent Study*) or CMPS299 (*Thesis Research*).
- All remaining units must be regular 5-credit graduate courses from: CS, within the SOE (with advisor's approval), or outside the SOE (with advisor's and Grad Director's approval). Courses that do not count include all courses numbered 200, 280, 296, 297, and 299.
- At least 28 units must be in CS.
- Two upper-division undergraduate CS courses (other than CMPS 101) or a graduate course (not seminars) in related disciplines outside the list of approved graduate course list may be substituted for one graduate course when necessary to strengthen a student's preparation for graduate studies with prior approval from the advisor and the graduate director.

MS in Computer Science - Project Track

Each student is required to take 50-units as follows:

- CMPS 200 (3 units)
- CMPS 201 (*Analysis of Algorithms: 5 units*)
- CMPS 203 (*Programming Languages: 5 units*)
- CMPS 296 (2 units; *Master's project*)
- A base requirement in computer architecture must be met by taking CMPE 110 (grade B or above) or CMPE 202 or equivalent elsewhere (approval required).
- One course each from three different breadth categories for a total of 3 courses (15 units).
- All remaining units must be regular 5-credit graduate courses from: CS, within the SOE (with advisor's approval), or outside the SOE (with advisor's and Grad Director's approval). Courses that do not count include all courses numbered 200, 280, 296, 297, and 299.
- At least 30 units must be in CS.
- Two upper-division undergraduate CS courses (other than CMPS 101) or a graduate course (not seminars) in related disciplines outside the list of approved graduate course list may be substituted for one graduate course when necessary to strengthen a student's preparation for graduate studies with prior approval from the student's advisor and the graduate director.

Ph.D. in Computer Science

Each student is required to take 58-units as follows:

- CMPS 200 (3 units)
- CMPS 201 (*Analysis of Algorithms: 5 units*)
- CMPS 203 (*Programming Languages: 5 units*)
- A base requirement in computer architecture must be met by taking CMPE 110 (grade B or above) or CMPE 202 or equivalent elsewhere (approval required).
- One course each from three different breadth categories for a total of 3 courses (15 units).
- Up to 10 units of CMPS297 (*Independent Study*) or CMPS299 (*Thesis Research*).
- All remaining units must be regular 5-credit graduate courses from: CS, within the SOE (with advisor's approval), or outside the SOE (with advisor's and Grad Director's approval). Courses that do not count include all courses numbered 200, 280, 296, 297, and 299.
- At least 33 units must be in CS.
- Graduate courses (not seminars) in related disciplines outside the list of approved graduate course list may be substituted when necessary to strengthen a student's preparation for graduate studies with *prior* approval from the advisor and the graduate director. Course selection should form a coherent plan of study and requires advisor approval. Undergraduate courses may not be used to satisfy Ph.D. course requirements.
- Each student is required to complete at least one quarter of Teaching Assistantship. This requirement can be met after advancement to candidacy. Certain exceptions may be granted for students with extensive prior teaching experience or those who cannot be employed by the university.

Ph.D. students who have satisfied the requirements for the master's degree are eligible to receive a master's degree.