COMPUTER ENGINEERING 2016-17

Units

PREPARATION FOR THE MAJOR	75
CHEM 1A, 1AL or 2A, 2AC	5
CMPSC 16	4
CMPSC 24	4
CMPSC 32	4
CMPSC 40	5
ECE 1A- 1B	2
ECE 10A, 10AL, 10B, 10BL, 10C, 10CL.	15
ECE 15A.	4
MATH 3A-B, 4A-B	16
PHYS 1, 2, 3, 3L, 4, 4L.	16

UPPER DIVISION MAJOR	68
CMPSC 130A	4
ECE 139 or PSTAT 120A	4
ECE 152A.	5
ECE 154A.	4
ENGR 101.	3

Computer Engineering electives selected
 from the following list: 48

*Prior approval of the student's departmental electives must
 be obtained from the student's faculty adviser.*

**Must include at least 2 sequences and 8 units of senior
computer systems project CMPSC 189 A-B/ECE 189A-B.**

CMPSC 130B	ECE 123
CMPSC138	ECE 130A-B
CMPSC 153A/ECE153A	ECE 147A-B
CMPSC 160	ECE 150
CMPSC 162	ECE 153B
CMPSC 165A-B	ECE 154B
CMPSC 170	ECE 156A-B
CMPSC 171/ ECE 151	ECE 160/CMPSC 182
CMPSC 176A-B/ECE 155A-B	ECE 178
CMPSC 176C	ECE 179D, 179P
CMPSC 177	ECE 189A-B/ CMPSC 189A-B
CMPSC 178	
CMPSC 181B/ECE 181B	
ECE 122A-B	

Computer Engineering electives taken:

_____ | _____
_____ | _____
_____ | _____
_____ | _____

MATH, SCIENCE, ENGR. ELECTIVE	4

(See ECE Dept. student office for the approved list)
Elective taken: _____

Courses required for the major, inside or outside of the Departments of Computer Science or Electrical and Computer Engineering, cannot be taken for the passed/not passed grading option. They must be taken for **letter** grades.

Units

UNIVERSITY REQUIREMENTS

American History and Institutions – (one 4-unit course)
(may be counted as G.E. if selected from approved list)

_____

UC Entry Level Requirement: English Composition
Must be fulfilled within three quarters of matriculation

Satisfied by:_____

GENERAL EDUCATION

General Subject Areas

Area A: English Reading & Comprehension – (2 courses required)

A-1: _____**A-2**: _____

Areas D & E: Social Sciences, Culture and Thought
(2 courses minimum)
_____   _____

Areas F & G: The Arts, Literature
(2 courses minimum)

_____   _____

2 additional courses from Areas D, E, F, G, or H
_____   _____

Special Subject Areas

Depth:
_____   _____
_____   _____

Ethnicity (1 course):_____

European Traditions (1 course):_____

Writing (4 courses required):
_____   _____
_____   _____

NON-MAJOR ELECTIVES	44

General Education and Free Electives taken:

_____   _____
_____   _____
_____   _____
_____   _____
_____   _____
_____   _____

TOTAL UNITS REQUIRED FOR GRADUATION 191

COMPUTER ENGINEERING 2016-17

FRESHMAN YEAR

FALL	units	WINTER	units	SPRING	units
CHEM 1A or 2A	3	ECE 1A	1	CMPSC 16	4
CHEM 1AL or 2AC	2	Math, Science,		ECE 1B	1
MATH 3A	4	Engr. Elective	4	MATH 4A	4
G.E. Elective or CMPSC 8[1]	4	MATH 3B	4	PHYS 2	4
WRIT 1E or 2E	4	PHYS 1	4	WRIT 50E or G.E. Elective	4
		WRIT 2E or 50E	4		
TOTAL	**17**		**17**		**17**

SOPHOMORE YEAR

FALL	units	WINTER	units	SPRING	units
CMPSC 24	4	CMPSC 40	5	CMPSC 32	4
ECE 10A	3	ECE 10B	3	ECE 10C	3
ECE 10AL	2	ECE10BL	2	ECE 10CL	2
MATH 4B	4	ECE 15A	4	ECE 152A	5
PHYS 3	3	PHYS 4	3	ECE 139 or PSTAT 120A[2]	4
PHYS 3L	1	PHYS 4L	1		
TOTAL	**17**		**18**		**18**

JUNIOR YEAR

FALL	units	WINTER	units	SPRING	units
ECE 154A	4	CMPSC 130A	4	CMPEN Elective	8
CMPEN Elective	8	CMPEN Elective	4	G.E. or Free Elective	4
G.E. or Free Electives	4	G.E. or Free Electives	8		
TOTAL	**16**		**16**		**12**

SENIOR YEAR

FALL	units	WINTER	units	SPRING	units
CMPEN Electives	12	CMPEN Electives	8	CMPEN Electives	12
Free Elective	4	ENGR 101	3		
		Free Elective	4		
TOTAL	**16**		**15**		**12**

[1] CMPSC 8 is recommended only for students who do not have prior programming experience, as programming experience is a prerequisite for CMPSC 16. CS 8 may be used to satisfy the Math, Science, Engineering Elective requirement.

[2] PSTAT 120A is offered each quarter. ECE 139 is offered only in spring quarter, and is better suited for future upper division electives for the Computer Engineering major.