ELECTRICAL ENGINEERING 2022-23

Units

PREPARATION FOR THE MAJOR

CHEM 1A, 1AL or 2A, 2AC or ECE 6 . . . . 5/4
CMPSC 9 or CMPSC 16 4
ECE 3 4
ECE 5 4
ECE 10A, 10AL, 10B, 10BL, 10C, 10CL 15
ECE 15A 4
MATH 2A-B or 3A-B, 4A-B, 6A-B 24
PHYS 1, 2, 3, 3L, 4, 4L 16
PHYS 5, 5L or ECE 130B. 4
ECE 130A. 4
ECE 139 4

UPPER DIVISION MAJOR	60

ECE 134 4
ECE 152A 4
ECE 153A or 153B* 4
ECE 188A-B-C 9
ENGR 101. 3
Departmental electives selected from
the following list: 36

If both ECE 153A and ECE 153B are taken, one may be used as a departmental elective and the other will be used as a required course.

Approval of the student's departmental electives must be obtained from the student's faculty adviser. The departmental electives must include an approved depth sequence corresponding to the students' chosen track, or another depth sequence of at least 4 courses that is approved by the students' faculty advisor. See the ECE Department Student Office for the list of courses in the different areas of specialization.

Approved Departmental Electives:

ECE 120A-B	ECE 146A-B	ECE 181
ECE 122A-B	ECE 147A-B-C	ECE 183
ECE 123	ECE 148	ECE 192 or 196 (4 units combined max)
ECE 125	ECE 149	
ECE 130C	ECE 153A-B*	ECE 194 AA-ZZ (excluding ECE 194R)
ECE 132	ECE 154A-B	
ECE 133	ECE 157A-B	MATRL 100A, C
ECE 135	ECE 158	MATRL 100B or MATRL 101
ECE 137A-B	ECE 160	
ECE 141A-B	ECE 162A-B-C	MATRL 162A-B
ECE 142	ECE 178	TMP 120, 122 (1 course max)
ECE 144	ECE 179D, P	
ECE 145A-B-C	ECE 180	

Departmental Electives taken:

_____
_____
_____
_____
_____

To satisfy major requirements, courses taken inside or outside the Department of Electrical and Computer Engineering, must be taken for a letter grade.

UNIVERSITY REQUIREMENTS

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

_____

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

_____

GENERAL EDUCATION

General Subject Areas

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

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

Area D: Social Science
(2 courses minimum)

_____ _____

Area E: Culture and Thought
(2 courses minimum)

_____ _____

Area F: The Arts   Area G: Literature
(1 course minimum)   (1 course minimum)

_____ _____

Special Subject Areas

Ethnicity (1 course):_____

European Traditions
or World Cultures (1 course):_____

Writing (4 courses required):
_____ _____

_____ _____

NON-MAJOR ELECTIVES

Free Electives taken:

_____
_____
_____
_____
_____

TOTAL UNITS REQUIRED FOR GRADUATION 189