ELECTRICAL ENGINEERING 2019-20

PREPARATION FOR THE MAJOR	Units 80
CHEM 1A, 1AL or 2A, 2AC	5
CMPSC 16	4
ECE 5	4
ECE 10A, 10AL, 10B, 10BL, 10C, 10CL	15
ECE 15A	4
ECE 3	4
MATH 2A-B or 3A-B, 4A-B, 6A-B	24
PHYS 1, 2, 3, 3L, 4, 4L, 5, 5L	20

UPPER DIVISION MAJOR	Units 68
ECE 130A-B	8
ECE 132	4
ECE 134	4
ECE 137A-B	8
ECE 139	4
ECE 152A	5
ENGR 101	3

Departmental electives selected from
the following list: 32

*Prior approval of the student's departmental electives must
be obtained from the student's faculty adviser.*
***Must include at least 2 sequences, one of which must be an
approved EE Senior Capstone Design/Project course sequence.***

Approved Departmental Electives:

ECE 120A-B	ECE 147A-B-C	ECE 179D, P
ECE 122A-B	ECE 148	ECE 181
ECE 123	ECE 150	ECE 183
ECE 125	ECE 153A-B	ECE 188A-B-C
ECE 130C	ECE 154A-B	ECE 192 or 196 (4 units combined max)
ECE 135	ECE 155A-B	ECE 194AA-ZZ (excluding ECE 194R)
ECE 141A-B	ECE 156A-B	TMP 120, 122 (1 course max)
ECE 142	ECE 158	MATRL 100A, C
ECE 144	ECE 160	MATRL 100B or MATRL 101
ECE 145A-B-C	ECE 162A-B-C	MATRL 162A-B
ECE 146A-B	ECE 178	

Departmental Electives taken:

Courses that can apply toward the major, inside or outside of
the Department of Electrical and Computer Engineering, cannot
be taken for the passed/not passed grading option. They must
be taken for **letter** grades.

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**: _____

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	42

General Education and Free Electives taken:

TOTAL UNITS REQUIRED FOR GRADUATION 189