# California State Polytechnic University, Pomona <br> Degree Curriculum Sheet 

Plan (Major) ELECTRICAL ENGINEERING, B.S.
Subplan/Option $\qquad$ Catalog Year 2017-2018

Minimum Units Required $\qquad$

## Required Support Courses

The following major support courses should be used to satisfy the indicated GE requirements. If these courses are not used to satisfy GE, the total units to degree may be more than 194 units.
CHM 121 - General Chemistry (3) and
CHM 121L - General Chemistry Laboratory (1) (B3)
or
CHM
CHM 115 - General Chemistry for Engineers (4)
EGR 481 - Project Design Principles and Applications (2) (B5) and
EGR 482 - Project Design Principles and Applications (2) (B5)
MAT 114 - Analytic Geometry and Calculus I (4) (B4)
MAT 115 - Analytic Geometry and Calculus II (4) (B4)
MAT 116 - Analytic Geometry and Calculus III (4) (B4)
MAT 214 - Calculus of Several Variables I (3)
MAT 215 - Calculus of Several Variables II (3)
PHY 131 - General Physics (3) (B1) and
PHY 131L - General Physics Laboratory (1) (B3)
PHY 132 - General Physics (3) and
PHY 132L - General Physics Laboratory (1)
PHY 133 - General Physics (3) and
PHY 133L - General Physics Laboratory (1)

## Total Units 42

## Elective Core Courses

ECE Upper Division Electives (19)
2 of the 19 units must be 400 level courses. If a course has an associated lab both must be taken.
Total Units 19

## Interdisciplinary General Education

An alternate pattern for partial fuffillment of GE Areas A, C, D, and E available or students is the Interdisciplinary General Education (IGE) program. Students should see an advisor for specific GE coursework required by their major. Student must be exempt from or score at least 147 on the EPT to qualify for IGE. Please refer to the University Catalog General Education Program section for additional information.

## How IGE fulfills General Education Requirements:

| Year | Completion of IGE Courses | Satisfies GE Requirements |
| :--- | :--- | :--- |
| Freshman | IGE 120, IGE 121, IGE 122 | A2 as well as any 2 courses from |
| C1-C3 |  |  |
| Sophomore | IGE 220, IGE 221, IGE 222 | D1 (8 units) and D3 |
| Junior | IGE 223, IGE 224 | D2 and Area E |
| Total Units 32 |  |  |

## General Education Requirements

Area A Communication \& Critical Thinking (12 units)

1. Oral Communication
2. Written Communication
3. Critical Thinking

## Area B Mathematics \& Natural Sciences (16 units)

1. Physical Science
2. Biological Science
3. Laboratory Activity
4. Math/Quantitative Reasoning
5. Science \& Technology Synthesis

Area C Humanities (16 units)

1. Visual and Performing Arts
2. Philosophy and Civilization
3. Literature and Foreign Language
4. Humanities Synthesis

## Area D Social Sciences (20 units)

1. U.S. History, Constitution, American Ideals
a. United States History
b. Introduction to American Government
2. History, Economics and Political Science
3. Sociology, Anthropology, Ethnic \& Gender Studies
4. Social Science Synthesis

Area E Lifelong Understanding \& Self Development (4 units)
Total Units 68

American Institutions
Courses that satisfy this requirement may also satisfy GE Area D1

## American Cultural Perspectives Requirement

Refer to the University Catalog General Education Program section for a list of courses that satisfy this requirement. Course may also satisfy major, minor, GE, or unrestricted elective requirements.

All persons who receive undergraduate degrees from Cal Poly Pomona must pass the Graduation Writing Test (GWT). The test must be taken by the quarter following completion of 120 units for undergraduates.

