



**California State Polytechnic University, Pomona
Degree Curriculum Sheet**

Plan (Major) **ELECTRONIC SYSTEMS ENGINEERING TECHNOLOGY, B.S.** Catalog Year **2017-2018**
 Subplan/Option _____ Minimum Units Required **191**

Name _____
 Student ID _____

Required Core Courses

- ETE 102/102L - D-C Circuit Analysis/Laboratory (3/1)
- ETE 103/103L - A-C Circuit Analysis/Laboratory (3/1)
- ETE 204/204L - Semiconductor Devices and Circuits/Laboratory (3/1)
- ETE 210/210L - Electrical Circuit Analysis/Laboratory (3/1)
- ETT 215/215L - C Programming for Technology/Laboratory (3/1)
- ETE 230/230L - Introduction to Digital Logic/Laboratory (3/1)
- ETE 272/272L - Electronic Manufacturing, PCB Fabrication/Laboratory (3/1)
- ETE 280/280L - Industrial Electronics/Laboratory (3/1)
- ETE 305/305L - Electronic Devices and Circuits/Laboratory (3/1)
- ETE 310/310L - Applied Network Analysis/Laboratory (3/1)
- ETE 312/312L - Advanced Programming with C++/Laboratory (3/1)
- ETE 315/315L - Digital Logic Systems/Laboratory (3/1)
- ETE 335/335L - Communication Systems/Laboratory (3/1)
- ETE 344/344L - Microcontroller Systems and Applications/Laboratory (3/1)
- ETE 350/350L - Feedback Systems Technology/Laboratory (3/1)
- ETE 401/401L - Technical Communications and Project Management for ET/Laboratory (3/1)
- ETE 420/420L - Electronic Test Instrumentation with Lab VIEW/Laboratory (3/1)
- ETE 442/442L - Data Communications and Networking/Laboratory (3/1)

Total Units 72

Elective Core Courses

- CAD Elective (MFE 126/126L typically)
- ET XXX - Technology Electives (20) ** (300 and 400 level courses ONLY)

Total Units 23

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 191 units.

- CHM 121 - General Chemistry (3) and
CHM 121L - General Chemistry Laboratory (1) (B3)
- EGR 100/100L - Engineering, Society, and You (3/1) (E)
- EGR 481 - Project Design Principles and Applications (2) (B5)
- EGR 482 - Project Design Principles and Applications (2) (B5)
- ETT 210 - Applied Statics (3)
- ETT 211 - Applied Dynamics (3)
- ETT 217 - Materials Science for Engineering Technology (3)
- MAT 130 - Technical Calculus I (4) (B4)
- MAT 131 - Technical Calculus II (4)
- MAT 132 - Technical Calculus III (4)
- PHY 121 - College Physics (3) (B1) and
PHY 121L - College Physics Laboratory (1) (B3)
- PHY 122 - College Physics (3) and
PHY 122L - College Physics Laboratory (1)
- PHY 123 - College Physics (3) and
PHY 123L - College Physics Laboratory (1)

Total Units 45

Interdisciplinary General Education

An alternate pattern for partial fulfillment of GE Areas A, C, D, and E available for students is the Interdisciplinary General Education (IGE) program. Students should see an advisor for specific GE coursework required by their major. Students 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

8

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.

4

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.