Elective Requirements
In addition to the above required courses, majors must complete four additional elective courses: three elective courses from the list below - at least two must be from one of the depth sequence tracks listed; plus one comprehensive senior design project course. Certain graduate-level courses can also be used to fulfill an elective requirement with departmental approval.

**Electronics/ Optic Electronics Track:**
- EE 136 Engr. Electromagnetics
- EE VLSI Design
- EE 178 Device Electronics
- CE 121/L Microproc. Sys. Design
- CE 172/L Linear Nonlin.Circuits
- ME/EE 129 Integrated Circ. Proc. & Design (taken at SJSU)

**Communications Track:**
- CMPE 152 Computer Networks
- CMPS 150 Information Theory
- EE 151 Communications Systems

**Signals, Systems & Control Track:**
- EE Telemetry
- EE Instrumentation
- EE 154 Feedback Control Syst.

**SENIOR DESIGN PROJECT**
- CMPE 123/L. AdvMicro Sys
- CMPE 128/L. AdvLogic Design
- EE 127 & 128 Design Project
- EE 198 Independent Study
- EE 195 Senior Thesis
  *Course Prerequisite: CMPE 121/L

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**Senior Projects** encompass an in-depth project requiring the students to call upon knowledge acquired throughout their undergraduate studies, including analysis, design, testing, and documentation. Students must complete one project course.

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* = Course Prerequisites
* = Physics 6 series can be substituted
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Depth in One Area of Humanities or Social Sciences (from Gen. Ed. requirements) may be satisfied with two related lower-division courses, or one upper-division course.

Area: ____________ Course (s): (LD) __________/(LD) __________ (UD) __________

Faculty Adviser Approval: ______________________________________

STUDENT'S NAME:

STAFF ADVISOR:

FACULTY ADVISOR'S APPROVAL:

Advisory only. For specific requirements see Engineering Advisor. Course number, content, and prerequisites may have changed.