Electrical Engineering Minor
2018-2019 Curriculum Chart

Elective Requirements:
In addition to the above, EE minors must complete at least 15 units of upper-division or graduate-level engineering courses from one track. Most, if not all, elective courses have additional pre-requisites. They are subject to change frequently. Please visit http://courses.soc.ucsc.edu/ to ensure you have met them.

Electronics & Optics
EE 104 Bio-electronics & Bio-instrumentation
EE 115 Intro to MEMS Design
EE 130/L / 230 Optical Fiber Communication
EE 136 Engineering Electromagnetics
EE 154 / 241 Feedback Control Systems
EE 157/L RF Hardware Design/Lab
EE 172 / 221 Advanced Analog Integrated Circuits
EE 173/L High Speed Digital Design
EE 175/L Energy Generation and Control
EE 176/L Energy Conversion and Control
EE 177/L Power Electronics
EE 178 Device Electronics
EE 180J Advanced Renewable Energy Sources
EE 211 Introduction to Nanotechnology
EE 213 Nanocharacterization of Materials
EE 231 Optical Electronics
CMPE 118/L Intro to Mechatronics
CMPE 121/L Microprocessor System Design
CMPE 167/L Sensing and Sensor Technologies

Communications, Signals, Systems & Controls
EE 130/L / 230 Optical Fiber Communication
EE 136 Engineering Electromagnetics
EE 152 / 252 Intro to Wireless Signals/Systems
EE 153 / 250 Digital Signal Processing
EE 154 / 241 Feedback Control Systems
EE 251 Principles of Digital Communications
EE 253 Introduction to Information Theory
EE 261 Error Control Coding
EE 262 Statistical Signal Processing
EE 264 Image Processing and Reconstruction
CMPE 118/L Intro to Mechatronics
CMPE 150/L Intro to Computer Networks
CMPE 251 Error-Control Coding
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Student Name:

Staff Advisor:

Faculty Advisor: