Electrical Engineering Minor
2019-2020 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.soe.ucsc.edu/](http://courses.soe.ucsc.edu/) to ensure you have met them.

### Communications, Signals, Systems & Controls
- ECE 118/L Intro to Mechatronics
- ECE 130/L / 230 Optical Fiber Communication
- ECE 136 Engineering Electromagnetics
- ECE 141 / 241 Feedback Control Systems
- ECE 152 / 252 Wireless Communications
- ECE 153 / 250 Digital Signal Processing
- ECE 237 Image Processing and Reconstruction
- ECE 251 Principles of Digital Communications
- ECE 253 Introduction to Information Theory
- ECE 255 Error Control Coding
- ECE 256 Statistical Signal Processing
- CSE 150/L Intro Computer Networks

### Electronics & Optics
- ECE 104 Bio-electronics
- ECE 118 Intro to Mechatronics
- ECE 130/L / 230 Optical Fiber Communication
- ECE 136 Engineering Electromagnetics
- ECE 141 / 241 Feedback Control Systems
- ECE 157/L RF Hardware Design/Lab
- ECE 167/L Sensing and Sensor Technologies
- ECE 172 / 221 Advanced Analog Integrated Circuits
- ECE 173/L High Speed Digital Design
- ECE 175/L Energy Generation and Control
- ECE 176/L Energy Conversion and Control
- ECE 177/L Power Electronics
- ECE 178 Device Electronics
- ECE 180/J Advanced Renewable Energy Sources
- ECE 201 Introduction to Nanotechnology
- ECE 203 Nanocharacterization of Materials
- ECE 231 Optical Electronics
- CSE 121/L Microprocessor System Design
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Student Name:

Staff Advisor:

Faculty Advisor: