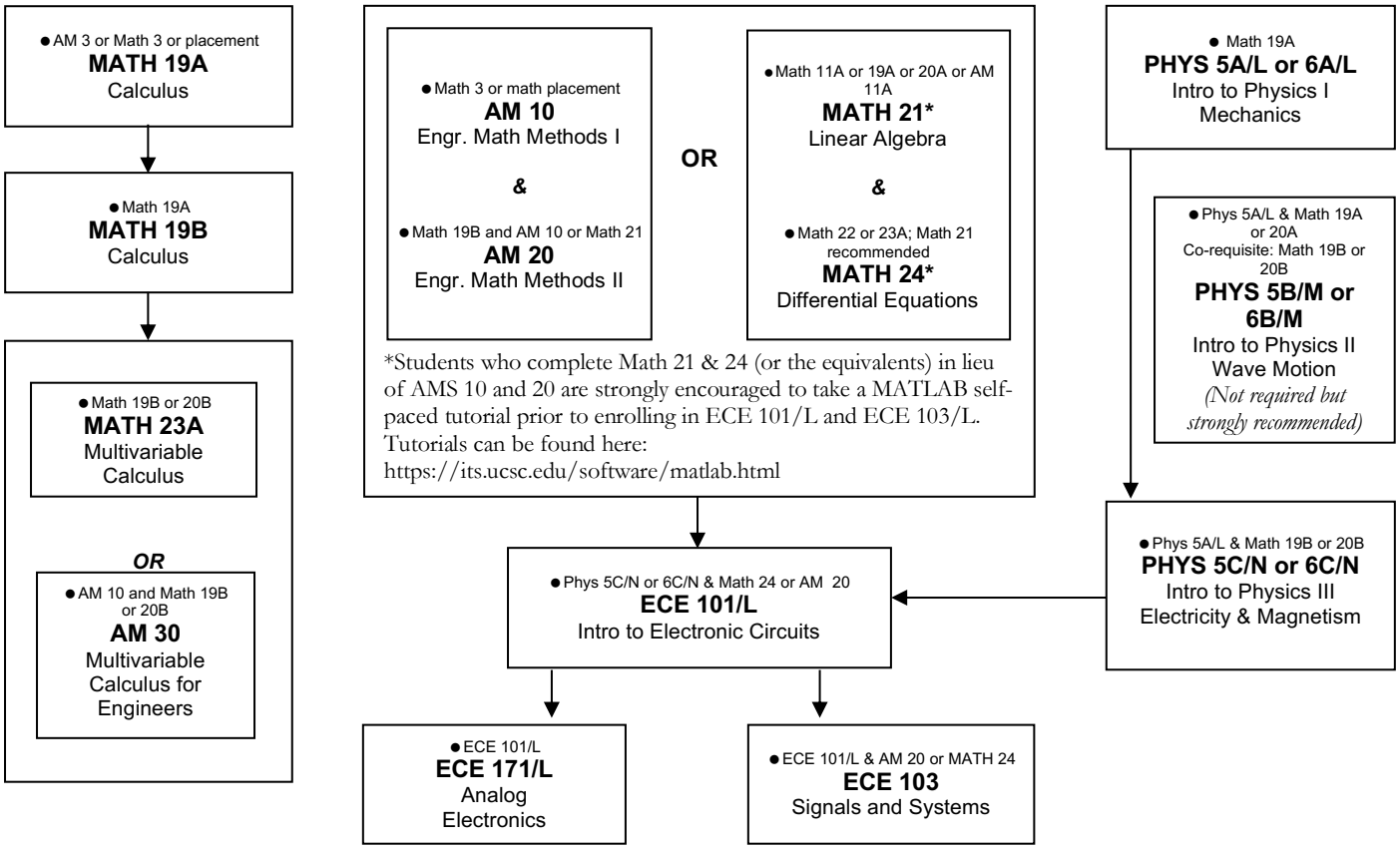
Electrical Engineering Minor
2021-2022 Curriculum Chart



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/ to ensure you have met them.**

Communications, Signals, Systems & Controls	Electronics & Optics
ECE 118 Intro to Mechatronics	ECE 104 Bio-electronics
ECE 130/L / 230 Optical Fiber Communication	ECE 118 Intro to Mechatronics
ECE 136 Engineering Electromagnetics	ECE 121 Microcontroller System Design
ECE 141 / 241 Feedback Control Systems	ECE 130/L / 230 Optical Fiber Communication
ECE 152 / 252 Wireless Communications	ECE 136 Engineering Electromagnetics
ECE 153 / 250 Digital Signal Processing	ECE 141 / 241 Feedback Control Systems
ECE 237 Image Processing and Reconstruction	ECE 157/L RF Hardware Design/Lab
ECE 251 Principles of Digital Communications	ECE 167/L Sensing and Sensor Technologies
ECE 253/ CSE 208 Introduction to Information Theory	ECE 172 / 221 Advanced Analog Circuits
ECE 255 Error Control Coding	ECE 173/L High Speed Digital Design
ECE 256 Statistical Signal Processing	ECE 175/L Energy Generation and Control
CSE 150/L Intro Computer Networks	ECE 176/L Energy Conversion and Control
	ECE 177/L Power Electronics
	ECE 178 Device Electronics
	ECE 180J Advanced Renewable Energy Sources
	ECE 201 Introduction to Nanotechnology
	ECE 203 Nanocharacterization of Materials
	ECE 231 Optical Electronics

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Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Student Name:

Staff Advisor:

Faculty Advisor: