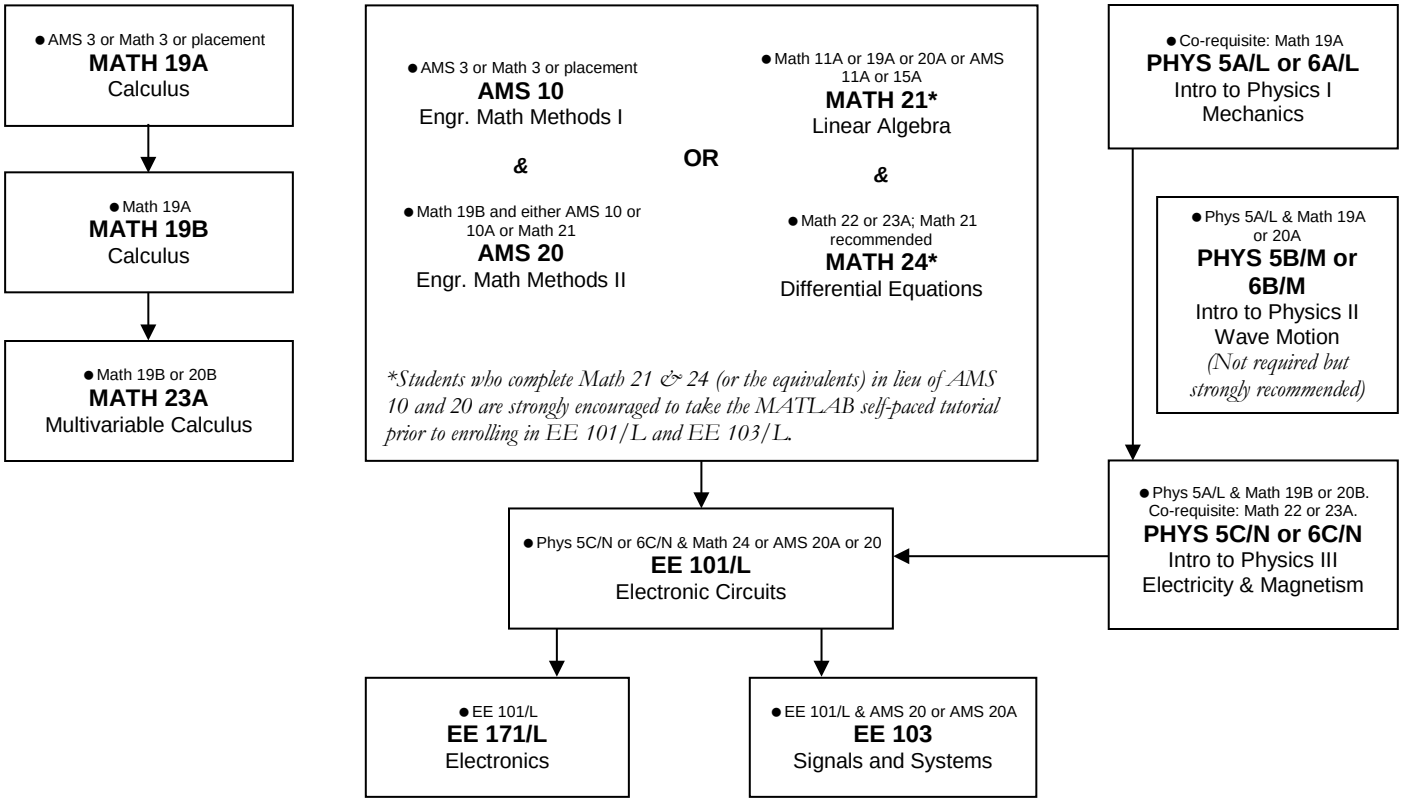
Electrical Engineering Minor
2015-2016 Curriculum Chart



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**
EE 130/L / 230 Optical Fiber Communication	EE 104 Bio-electronics & Bio-instrumentation
EE 136 Engineering Electromagnetics *(Strongly Recommended)*	EE 115 Intro to MEMS Design
EE 152 / 252 Intro to Wireless Signals/Systems	EE 130/L / 230 Optical Fiber Communication
EE 153 / 250 Digital Signal Processing	EE 136 Engineering Electromagnetics *(Strongly Recommended)*
EE 154 / 241 Feedback Control Systems	EE 154 / 241 Feedback Control Systems
EE 251 Principles of Digital Communications	EE 157/L RF Hardware Design/Lab
EE 253 Introduction to Information Theory	EE 172 / 221 Advanced Analog Integrated Circuits
EE 261 Error Control Coding	EE 173/L High Speed Digital Design
EE 262 Statistical Signal Processing	EE 175/L Energy Generation and Control
EE 264 Image Processing and Reconstruction	EE 176/L Energy Conversion and Control
CMPE 118/L Intro to Mechatronics	EE 177/L Power Electronics
CMPE 150/L Intro Computer Networks	EE 178 Device Electronics
CMPE 251 Error-Control Coding	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 *(Strongly Recommended)*
	CMPE 167/L Sensing and Sensor Technologies

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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: