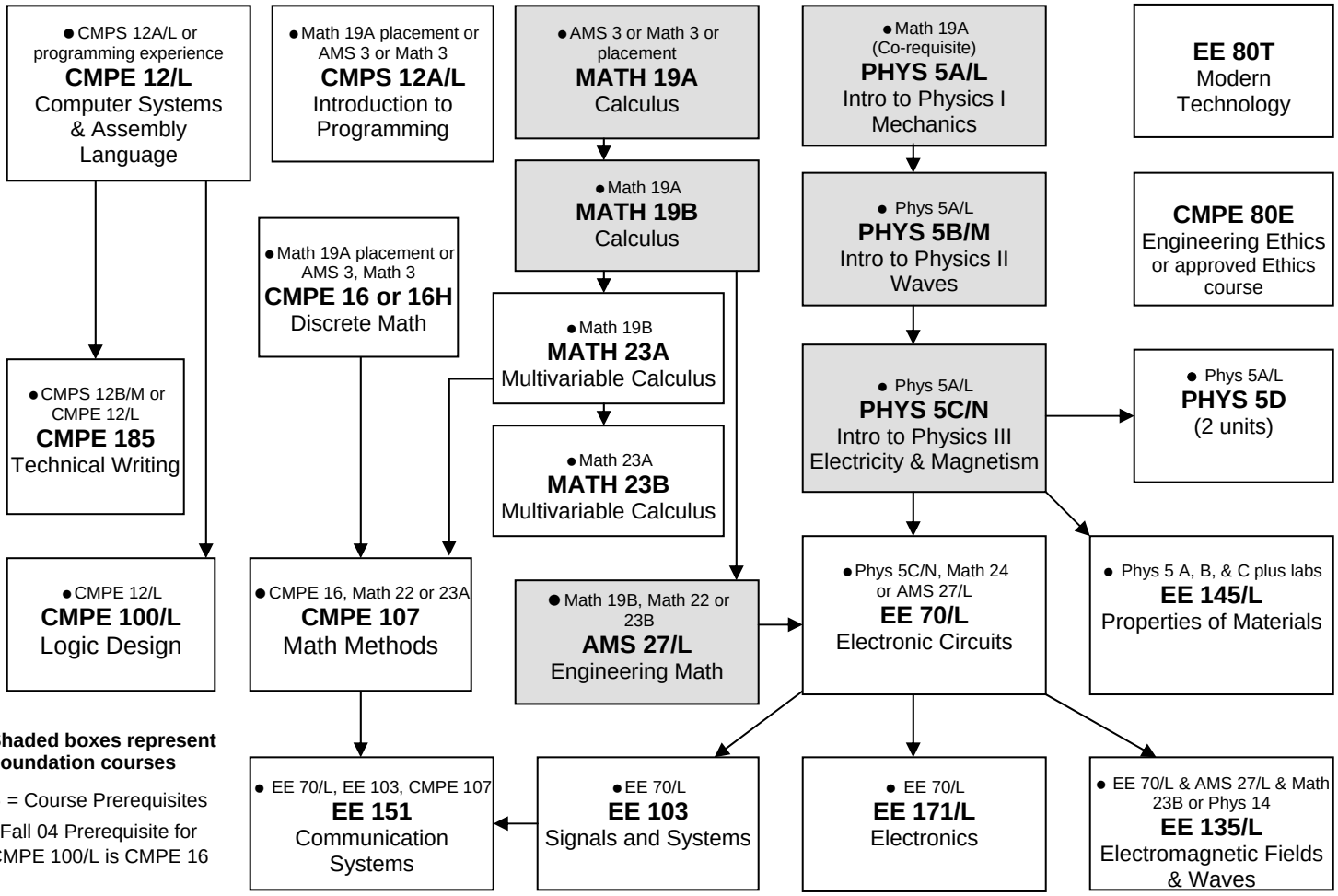
Baskin School of Engineering

ELECTRICAL ENGINEERING CURRICULUM CHART 2005-2006



Shaded boxes represent Foundation courses

● = Course Prerequisites

*Fall 04 Prerequisite for CMPE 100/L is CMPE 16

Elective Requirements - In addition to the above, majors must complete 4 additional upper-division elective courses (3 from one track). Certain graduate-level courses can be used to fulfill an elective requirement with departmental approval. Check the courses you are interested in.

Electronics & Optics Track	Communications, Signals, Systems, & Controls Track
EE 115 Introduction to MEMS Design (● EE 135/L & EE 145/L)	EE 136 Engineering Electromagnetics (● EE 135)
EE 130/L Optoelectronics & Photonics (● PHYSICS 5B/M & 5C/N)	EE 153 Digital Signal Processing (● EE 103)
EE 136 Engineering Electromagnetics (● EE135/L)	EE 154 Feedback Control Systems (● EE 103)
EE 154 Feedback Control Systems (● EE103)	EE 230 Optical Fiber Communication (● EE 130/L and Instructor permission)
EE 178 Device Electronics (● EE 145/L and EE 171/L)	EE 250 Digital Signal Processing (Instructor permission)
EE 211 Introduction to Nanotechnology (● EE 145/L and Instructor permission)	EE 262 Statistical Signal Processing (EE 103, 153, CE 107 and Instructor permission)
EE 221 Advanced Analog Integrated Circuits (Instructor permission)	EE 264 Image Processing and Reconstruction (CE 107, EE 153 & Instructor permission)
EE 230 Optical Fiber Communication (● EE 130/L and Instructor permission)	AMS 147 Computational Methods & Applications (● AMS 27/L or MATH 21)
EE 231 Optical Electronics (Instructor permission)	AMS 162 Design/Analysis Computational Simulation (● CE 107)
AMS 147 Computational Methods & Applications (● AMS 27/L or MATH 21)	CMPE 150 Computer Networks (● CE 12/L, CE 16)
CE 121/L Microprocessor System Design (● CE12/L, CE100/L, EE70/L)	CMPE 251 Error-Control Coding (Instructor permission)
CE 173/L High Speed Digital Design (● EE 70/L, CE 174)	

Senior Design Project – ** check with Undergraduate Advising Office as Senior Design options are in transition

CE/EE 123A /123B Engineering Design Project I (A) / Project II (B) (● EE 171/L, CE 185, EE 70/L)	EE 195 Senior Thesis (7 units over 2 quarters) with Dept. consent

Prior to graduation, you must:

1. Complete an Exit Survey
2. Attend an Exit Interview with a designated Faculty Member
3. Maintain a 2.5 cumulative GPA in all required & elective courses for the major, OR Submit a Portfolio for Departmental Review, OR Submit a Senior Thesis with Departmental Approval

UCSC BASKIN SCHOOL OF ENGINEERING
ELECTRICAL ENGINEERING BS
DEGREE CURRICULUM
2005-2006

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

***Approved List of Ethics Courses:** CMPE 80E Engineering Ethics; PHIL 22 Intro to Ethical Theory: Contemporary Moral Issues; PHIL 24 Intro to Contemporary Ethics; PHIL 28 Environmental Ethics; BME 80G/PHIL80G/CHEM80G Bioethics in the 21st Century: Science, Business, and Society.

STUDENT'S NAME:

STAFF ADVISOR:

FACULTY ADVISOR: