**Electrical Engineering Curriculum Chart**

**2007-2008**

**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.

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**Electronics & Optics Track**

- EE 115 Introduction to MEMS Design (● EE 135L & EE 145L)
- EE 130 / 230 Optical Fiber Communication (● Instructor permission for 230)
- EE 136 Engineering Electromagnetics (Strongly Recommended) (● EE 135L)
- EE 154 Feedback Control Systems (● EE103)
- EE 172 / 221 Advanced Analog Integrated Circuits ( Instructor permission)
- EE 178 Device Electronics (● EE 145L and EE 171L)
- EE 211 Introduction to Nanotechnology (● EE 145L and Instructor permission)
- EE 231 Optical Electronics (Instructor permission)
- AMS 147 Computational Methods & Applications (● AMS 27L or MATH 21)
- CMPE 118/L Intro to Mechatronics (● CE12/L, EE70L)
- CMPE 121/L Microprocessor System Design (Strongly Recommended) (● CE12/L, CE100L, EE70L)
- CMPE 173/L High Speed Digital Design (● EE 70/L, CE 174)

**Communications, Signals, Systems, & Controls Track**

- EE 136 Engineering Electromagnetics (Strongly Recommended) (● EE 135L)
- EE 152 / 252 Introduction to Wireless Signals/Systems (● Instructor permission)
- EE 153 / 250 Digital Signal Processing (● Instructor permission)
- EE 154 / 241 Feedback Control Systems (● EE 103)
- EE 230 Optical Fiber Communication (● EE 130/L and Instructor permission)
- EE 262 Statistical Signal Processing (EE 103, 153, CE 107 and Instructor permission)
- EE 264 Image Processing and Reconstruction (CE 107, EE 153 & Instructor permission)
- AMS 132 Statistical Inference (● AMS 131 or CE 107)
- AMS 147 Computational Methods & Applications (● AMS 27L or MATH 21)
- AMS 162 Design/Analysis Computational Simulation (● CE 107)
- CMPE 118/L Intro to Mechatronics (● CE12/L, EE70L)
- CMPE 150 Computer Networks (● CE 123/L, CE 16)
- CMPE 251 Error-Control Coding (Instructor permission)

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**Senior Design Project** –

- EE 123A Engineering Design Project I (● EE 171 or CE 121; previous or concurrent enrollment in CE 185, permission of instructor)
- EE 123B Engineering Design Project II (● EE 123A and CE 185)

**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
4. Submit a Senior Thesis with Departmental Approval

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* Prerequisites (one of): CMPE 3 or 8, CMPS 10, 12A, 60G, or 60N, BME 60, or programming experience

** Prerequisites: Eligibility to enroll in MATH 19A, or MATH 19A or 11A, or AMS 11A, or ECON 11A
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STUDENT'S NAME:

STAFF ADVISOR:

FACULTY ADVISOR: