2011-12 BIOENGINEERING CURRICULUM CHART

Four Electives (pertinent to track) required (more information on back of this chart)

Faculty Approval ______________________________

Design Elective ______________________________
UD BSOE Elective ______________________________
UD BSOE Elective ______________________________
BSOE or PBSci Elective ______________________________

Senior Design Project:

BME/EE 123A Engineering Design Project I
BME/EE 123B Engineering Design Project II

BME/EE 195 Senior Thesis
(Must enroll in 3 quarters of BME 195)

BME 195T Senior Thesis Presentation
(Must concurrently enrol during last quarter of Thesis work)

Prior to graduation (see beng.soe.ucsc.edu) you must:

1. Submit a Portfolio
2. Complete an Exit Survey
3. Attend an Exit Interview
## BIOENGINEERING BS
### DEGREE CURRICULUM

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### Information re: Bioengineering Electives and Elective Approval Form

Bioengineering students are required to select 4 upper-division electives to include:
- One Design Elective from the approved list (BME 122, BME 205, CMPE 100/L, or EE172; see beng.soe.ucsc.edu)
- Two upper-division BSOE electives
- One upper-division BSOE or Division of PBSCI elective

Electives must be selected and pre-approved in consultation with the student’s faculty advisor.

**Bioelectronics:** EE 154 (F), Feedback Control Systems, EE 172, Advanced Analog Circuits (S), EE 212 (F), *Intro. to BioMEMS,* or other courses relevant to your interests.

**Biomolecular:** BME 122 (S), *Environmental Virus Bioinformatics,* BME 140 (F), Bioinstrumentation, BME 155 (W), Biotechnology & Drug Development, BME 110 (F, S), Computational Biology Tools, BME 128 (S), Protein Engineering and BME 178 (W), *Stem Cell Biology,* BME 205 (F), Bioinformatics Models and Algorithms, or other courses relevant to your interests.

**Rehabilitation:** CMPE 100/L (W & S), Logic Design/Lab, CMPE 118/L (W), Mechatronics/Lab, CMPE 167/L (W) Sensing & Sensor Technology/Lab, CMPE 233, Human Factors, and CMPS 109 (W & S), Advanced Programming, or other courses relevant to your interests.

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Student Name ____________________________

Student ID __________________________________________________

Elective 1: ____________________________    
Elective 2: ____________________________    
Elective 3: ____________________________    
Elective 4: ____________________________

Explanation of choice of electives:

________________________________________________________________________
________________________________________________________________________

Faculty Advisor’s Approval: ____________________________    Date: ____________

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