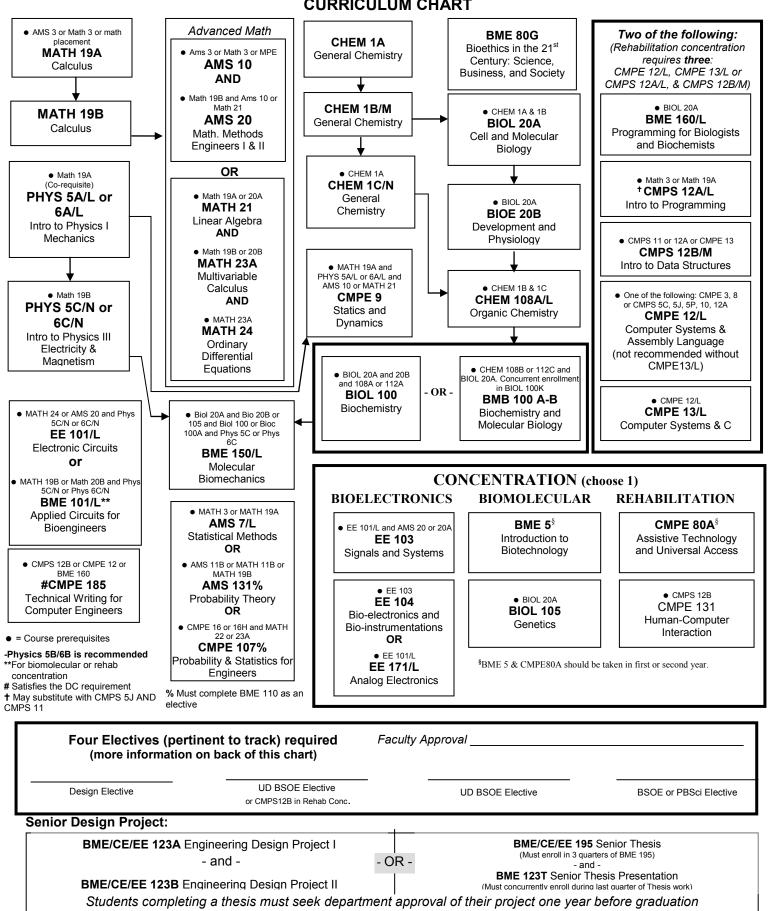
## 2013-14 BIOENGINEERING CURRICULUM CHART



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3. Attend an Exit Interview

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

2. Complete an Exit Survey

1. Submit a Portfolio

## BIOENGINEERING BS DEGREE CURRICULUM

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Fall	Winter		Spring	Summer
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Fall	Winter		Spring	Summer
pproved List of Upper Division Ele	ectives – Cours	es used to satisfy	a concentration cannot be used	to also satisfy electives
AMS 147-Computational Methods and Applications		CMPE 100/L-Logic Design/Lab \$ ♪ ins CMPE 110-Computer Architecture EE CMPE 118/L-Mechatronics/Lab ♪ EE CMPE 121/L-Microprocessor System Design/Lab		EE 103-Signals and Systems
BIOC 100C -Biochemistry				EE 104-Bio-electronics and Bio- instrumentations ♣
BIOL 105-Genetics				EE 115-Intro. to MEMS Design ♣
BIOL 110-Cell Biology BIOL 114-Cancer Cell Biology				EE 130/L-Intro. to Optoelectronics and Photonics/Lab ♣
BIOL 115-Eukaryotic Molecular Biolo	gy		an-Computer Interaction	EE 145/L-Properties of Materials/Lab ♣
METX 119-Microbiology		CMPE 167/L-Sensing and Sensor Technology/Lab S CMPE 202-Computer Architecture		EE 154-Feedback Control Systems ♣ EE 171/L-Analog Electronics/Lab ♣
BIOL 125-Introduction To Neuroscience BIOL 130/L-Human Physiology/Lab		CMPE 215-Models of Robotic Manipulation CMPE 233-Human Factors		EE 172-Advanced Analog Circuits \$ ♣
BIOE 131/L-Animal Physiology/Lab			Evaluation of Technology	EE 212-Introduction to BioMEMS ♣ EE 216-Nanomaterials and Nanometer-scal
BME 110-Computational Biology Tools ◆		CMPS 101-Algorithms and Abstract Data Types		Device ♣
BME 128-Protein Engineering \$ ◆		CMPS 115 Sections Methodalogy		EE 230-Optical Fiber Communication ♣ EE 270-Neural Implant Engineering ♣
BME 130-Genomes ◆ BME 140-Bioinstrumentation ◆		CMPS 115-Software Methodology CMPS 116-Software Design Project		EE 293-Advanced Topics in Electrical
BME 155-Biotechnology & Drug Develop. ♦		CMPS 180-Database Systems I		Engineering •
BME 170-Frontiers in Drug Action and Discovery		CMPS 181-Database Systems II CMPS 182-Introduction to Database Management Syst		
BME 177-Engineering Stem Cells \$ BME 178-Stem Cell Biology ◆		CIVII 5 162-IIIII00	nuction to Database Management Sy	ot
BME 205-Bioinformatics Models and		0.0	1.5. 5	
BME 211-Computational Systems Biology BME 215-Applied Gene Technology		\$-Counts towards Design Elective  ♦-Recommended for Biomolecular		
BME 230/L-Computational Genomics		♣-Recommended for Bioelectronics		
		5-Recommended for Rehabilitation		
Ctudent Name			Ct. Jant ID	
Student Name				
Faculty Advisor:Staff Advisor:		Date: Date:		