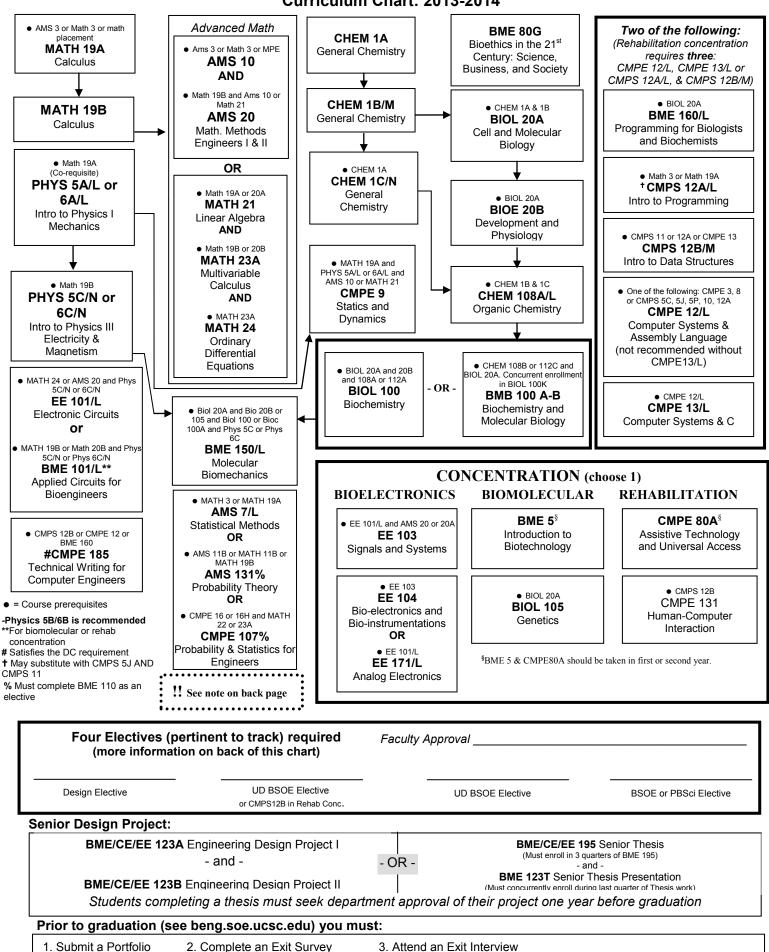
## Bioengineering B.S. Degree Curriculum Chart: 2013-2014



## BIOENGINEERING B.S. DEGREE DEGREE CURRICULUM

Fall	Winter	Spring	Summer

Fall	Winter	Spring	Summer

Fall	Winter	Spring	Summer

Approved List of Upper Division Electives – Courses used to satisfy a concentration cannot be used to also satisfy electives

AMS 147-Computational Methods and Applications	CHEM 108B/M-Organic Chemistry/Lab	EE 103-Signals and Systems
BIOC 100C -Biochemistry BIOL 105-Genetics BIOL 110-Cell Biology BIOL 114-Cancer Cell Biology BIOL 115-Eukaryotic Molecular Biology METX 119-Microbiology BIOL 125-Introduction To Neuroscience BIOL 130/L-Human Physiology/Lab BIOE 131/L-Animal Physiology/Lab BME 110-Computational Biology Tools ◆ BME 128-Protein Engineering \$ ◆ BME 130-Genomes ◆ BME 140-Bioinstrumentation ◆ BME 155-Biotechnology & Drug Develop. ◆ BME 177-Engineering Stem Cells \$ BME 178-Stem Cell Biology ◆ BME 205-Bioinformatics Models and Algorithms \$ ◆ BME 211-Computational Systems Biology BME 215-Applied Gene Technology BME 230/L-Computational Genomics	CMPE 100/L-Logic Design/Lab \$ J CMPE 110-Computer Architecture CMPE 118/L-Mechatronics/LabJ CMPE 121/L-Microprocessor System Design/Lab CMPE 131-Human-Computer Interaction CMPE 167/L-Sensing and Sensor Technology/Lab J CMPE 202-Computer Architecture CMPE 215-Models of Robotic Manipulation CMPE 233-Human Factors J CMPE 235-User Evaluation of Technology CMPS 101-Algorithms and Abstract Data Types CMPS 109-Advanced Programming J CMPS 115-Software Methodology CMPS 116-Software Design Project CMPS 180-Database Systems I CMPS 181-Database Systems II CMPS 182-Introduction to Database Management Systems	EE 104-Bio-electronics and Bio- instrumentations ♣ EE 115-Intro. to MEMS Design ♣ EE 130/L-Intro. to Optoelectronics and Photonics/Lab ♣ EE 145/L-Properties of Materials/Lab ♣ EE 145/L-Properties of Materials/Lab ♣ EE 154-Feedback Control Systems ♣ EE 171/L-Analog Electronics/Lab ♣ EE 172-Advanced Analog Circuits \$ ♣ EE 212-Introduction to BioMEMS ♣ EE 216-Nanomaterials and Nanometer-scale Device ♣ EE 230-Optical Fiber Communication ♣ EE 270-Neural Implant Engineering ♣ EE 293-Advanced Topics in Electrical Engineering ♣
	<ul> <li>◆-Recommended for Biomolecular</li> <li>▲-Recommended for Bioelectronics</li> <li>J-Recommended for Rehabilitation</li> </ul>	ase mark each class on front page ingly before meeting with faculty: lit received through AP credit/transfer credit tr/Year: The quarter & year you anticipate he class and/or have taken it

Student Name	Student ID
Faculty Advisor:	Date:
Staff Advisor:	Date: