BIOENGINEERING B.S. DEGREE
DEGREE CURRICULUM

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**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
- 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 170 - Frontiers in Drug Action and Discovery
- 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
- CHEM 108B - M-Organic Chemistry/Lab
- CMPE 100/L - Logic Design/Lab
- CMPE 110 - Computer Architecture
- CMPE 118/L - Mechatronics/Lab
- CMPE 121/L - Microprocessor System Design/Lab
- CMPE 131 - Human-Computer Interaction
- CMPE 167/L - Sensing and Sensor Technology/Lab
- CMPE 202 - Computer Architecture
- CMPE 215 - Models of Robotic Manipulation
- CMPE 233 - Human Factors
- CMPE 235 - User Evaluation of Technology
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-- Counts towards Design Elective

- Recommended for Biomolecular
- Recommended for Bioelectronics
- Recommended for Rehabilitation

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!! Please mark each class on front page accordingly before meeting with faculty:

T: Credit received through AP credit/transfer credit

Quarter/Year: The quarter & year you anticipate taking the class and/or have taken it