Biomedical (Electrical) Engr.

<table>
<thead>
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<th>FIRST YEAR</th>
<th>SECOND YEAR</th>
<th>THIRD YEAR</th>
<th>FOURTH YEAR</th>
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<tr>
<td>FALL</td>
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<tr>
<td>BME 101</td>
<td>MATH 126</td>
<td>BME 423</td>
<td>EE 338 or 354L</td>
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<td>ENGR 102</td>
<td>CHEM 105aL</td>
<td>BME 403L</td>
<td>BME 405L</td>
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<td>MATH 125</td>
<td>GEN ED</td>
<td>EE 202L</td>
<td>TECHNICAL ELECTIVE</td>
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<td>CHEM 105aL</td>
<td>GEN ED</td>
<td>EE 250L</td>
<td>BME 413</td>
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<td>PHYS 151L</td>
<td>GEN ED</td>
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<tr>
<td>WRIT 150</td>
<td>OPTIONAL ELECTIVE</td>
<td>WRIT 340</td>
<td>GEN ED</td>
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<tr>
<td>OPTIONAL ELECTIVE</td>
<td>GEN ED</td>
<td>CHEM 322aL</td>
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ENGINEERING
- **BME 101**: Introduction to Biomedical Engineering
- **BME 202**: Control & Comm. in the Nervous System
- **BME 210**: Biomedical Comp. Simulation Methods
- **BME 403L**: Physiological Systems
- **BME 405L**: Senior Projects: Measurements & Instrumentation
- **BME 413**: Bioengineering Signals & Systems
- **BME 415**: Regulation of Medical Products
- **BME 416L**: Development and Regulation of Medical Products
- **BME 423**: Statistical Methods in Biomedical Engineering

MATHEMATICS
- **MATH 125**: Calculus I
- **MATH 126**: Calculus II
- **MATH 226**: Calculus III
- **MATH 245**: Mathematics of Phys. & Engr.

SCIENCE
- **BISC 220L**: Cell Biology & Physiology
- **BISC 320L**: Molecular Biology
- **CHEM 105aL**: General Chemistry
- **CHEM 322aL**: Organic Chemistry
- **PHYS 151L**: Mechanics & Thermodynamics
- **PHYS 152L**: Electricity & Magnetism

GENERAL EDUCATION
- As a USC Viterbi student your General Education (Gen Ed) curriculum will include courses in the Arts, Humanistic Inquiry and Social Analysis.

WRITING
- **WRIT 150**: Writing & Critical Reasoning
- **WRIT 340**: Advanced Writing

ELECTIVES
Your optional electives are one way to build engineering+ into your curriculum by choosing classes of interest to you.

Courses with this symbol may be satisfied with certain AP, IB or A-Level exams. With each requirement you replace with prior credit, you increase your optional electives, creating more flexibility for you to pursue additional electives and increase your engineering+ education.

This is a simplified version of a complex curriculum with options and choices made between advisor and student. Course choices can vary by semester and adjust to include relevant topics and materials. Although every attempt has been made to ensure accuracy, the program requirements listed in the USC Catalogue supersede any information which may be contained in this or any other publication of any school or department. The information found in this document is not intended for advising purposes. The university reserves the right to change its policies, rules, regulations, requirements and course offerings at any time.