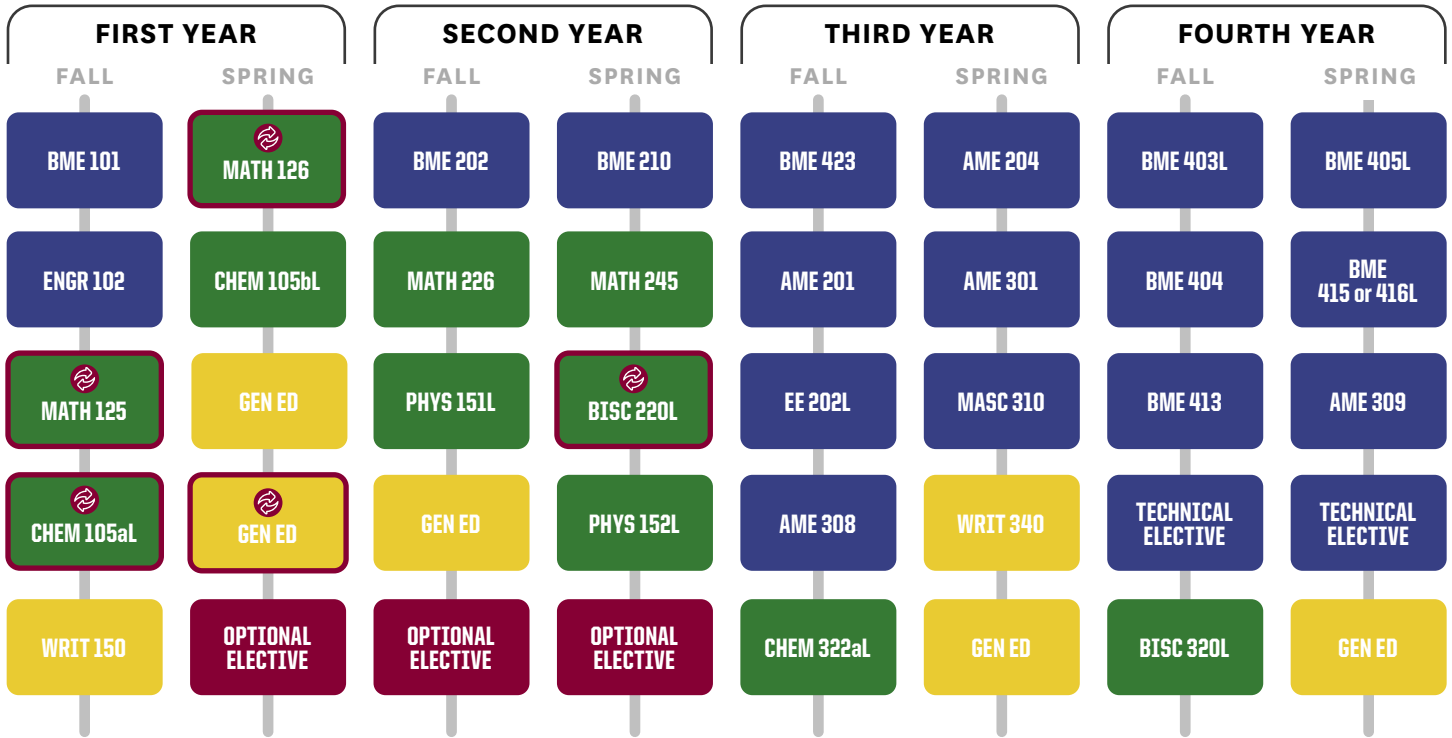


# Biomedical (Mechanical) Engr.



## ENGINEERING

**AME 201:** Statics  
**AME 204:** Strength of Materials  
**AME 301:** Dynamics  
**AME 308:** Computer-Aided Analyses for Aero-Mechanical Design  
**AME 309:** Dynamics of Fluids  
**BME 101:** Introduction to Biomedical Engineering  
**BME 202:** Control & Comm. in the Nervous System  
**BME 210:** Biomed. Computer Simulation Methods  
**BME 403L:** Physiological Systems  
**BME 404:** Orthopaedic Biomechanics  
**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:** Stat.Methods in Biomedical Engineering  
**EE 202L:** Linear Circuits  
**ENGR 102:** Engineering Freshman Academy  
**MASC 310:** Materials Behavior & Processing  
**TECHNICAL ELECTIVES:** Specialized upper division courses you choose for your major/specialization.

## 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 105abL:** 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.*