This major is designed for students seeking a focused course of study in human anatomy, physiology, metabolism, and/or evolution. The BS degree includes coursework in biology, chemistry, physics, and math. It features four tracks of emphasis to choose from: Applied Physiology, Biomedical Sciences, Nutrition and Metabolism, and Human Evolutionary Biology. The BA requires courses in anthropology, biology, kinesiology, and math, while offering three emphasis tracks: Human Physiology and Metabolism, Human Evolutionary Biology, and Human Performance.

Opportunities for Students

- USC Biomechanics Lab: In this lab, students have the opportunity to assist with research concerning the relationship between the nervous and musculoskeletal systems.
- Supplemental Instruction: This academic support program provides regularly scheduled, peer-led study sessions for common Biology, Chemistry, Math, and Physics courses.
- USC Kinesiology Club: KC is a pre-health academic society that promotes campus and community health and wellness education and advances the overall purpose of the field of Kinesiology.
- Freshman Science Honors Program: FSH allows exceptional freshmen to study in an enriched first-year science sequence, featuring smaller classes and access to lectures, tutors, and field trips.

Notable Courses

- HBIO 300: Evolution, Ecology, and Culture — The roles of biology, culture, and the environment in shaping human society, integrating evolutionary biology and cultural theory.
- HBIO 302: Nutrition and Metabolism — Gastrointestinal physiology and energy metabolism as it relates to macronutrient intake. Theories and principles of nutrition and their impact on metabolic regulation.
- HBIO 320: Muscle Physiology — Analysis of the skeletal muscular system (anatomy, physiology, biochemistry, and development) and its functional properties under both normal and pathological conditions, and perceptual-motor principles to the study of skill acquisition and human performance.
- HBIO 436: Human Performance and Bioenergetics — Application of physiology, biomechanics, and perceptual-motor principles to the study of skill acquisition and human performance.
Bachelor of Arts (BA) Requirements

Core Requirements*
- HBIO 200: The Human Animal
- HBIO 301: Human Anatomy
- BISC 120: General Biology — Organismal Biology and Evolution
  or BISC 121: Advanced General Biology — Organismal Biology and Evolution
- BISC 220: General Biology — Cell Biology and Physiology
  or BISC 221: Advanced General Biology — Cell Biology and Physiology
- MATH 108: Pre-calculus

Major Track (select one module from below)*
- Human Physiology and Metabolism (4 courses)
- Human Evolutionary Biology (4 courses)
- Human Performance (4 courses)

An additional two (2) elective courses are required.

Bachelor of Science (BS) Requirements

Core Requirements*
- BISC 120: General Biology — Organismal Biology and Evolution
  or BISC 121: Advanced General Biology — Organismal Biology and Evolution
- BISC 220: General Biology — Cell Biology and Physiology
  or BISC 221: Advanced General Biology — Cell Biology and Physiology
- CHEM 105: General Chemistry A & B
- MATH 108: Precalculus
  or MATH 125: Calculus
- PHYS 135: Physics for the Life Sciences

Major Track (select one module from below)*
- Applied Physiology (5 courses)
- Biomedical Science (5 courses)
- Nutrition & Metabolism (5 courses)
- Human Evolutionary Biology (5 courses)

An additional four (4) elective courses are required.

*This information is offered as a partial overview only. For additional information, including all major requirements, please consult the USC Catalogue or http://dornsife.usc.edu/bisc/undergraduate-programs-of-study/. Updated as of August 2015.

**This does not represent all options in this category. For a complete list, please consult the USC Catalogue.