Health and Life Sciences

Are you interested in learning about how organisms work and how they interact with their environment?

CONSIDER EXPLORING:

**BIOCHEMISTRY:** This interdisciplinary major combines core foundational backgrounds from chemical, biological, and molecular sciences to offer an integrated program focusing on the chemistry and molecular mechanisms of biology, with rigorous coursework and hands-on laboratory experiences.

**BIOLOGICAL SCIENCES:** This major allows students the chance to study the natural world to better understand living systems—from the biochemical to genes and from cells to global biodiversity. Faculty have specialties in four disciplines: marine environmental biology, molecular and computational biology, human and evolutionary biology, and neurobiology.

**BIOPHYSICS:** This major provides a solid foundation in both the biological sciences and the fundamental concepts of classical and quantum physics through a variety of tools that include abstract thought, experimentation and observation, data analysis, and mathematical modeling.

**CHEMISTRY:** This major provides students with core instruction and excellent research opportunities, including the opportunity to engage in a research project with scientists in the Chemistry department. Areas of focus include: Research, Chemical Nanoscience, or Chemical Biology.

**ENVIRONMENTAL SCIENCE AND HEALTH:** This major couples work targeted at the 2015 MCAT revision with an emphasis on resource sustainability and conservation. Students measure the health impacts of physical, chemical, and biological agents in the environment and determine how they can be controlled.

**ENVIRONMENTAL STUDIES:** This major offers students a range of options for studies related to the environment. Four concentrations are available in Environmental Studies: Sustainability, Energy and Society; Oceans, Life and People; Climate, Earth and Environment; and Environmental Public Policy.

**HEALTH AND HUMAN SCIENCES:** This major allows students to explore how psychological, cultural, social, economic, ethical, and biological factors influence our lives and, most importantly, our health by integrating science, social science, humanities, and critical thinking concepts.

**HEALTH AND HUMANITY:** This major is intended for students interested in fields that inform the health profession and in related questions about health and human experience.

**HUMAN BIOLOGY:** This major is designed for students seeking a focused course of study in human anatomy, physiology, metabolism, and/or evolution. Various emphases are available for the BS and BA degrees, including: Physiology, Biomedical Sciences, Nutrition and Metabolism, Human Evolutionary Biology, and Human Performance.

**NEUROSCIENCE:** This major is characterized by collaborative interactions between faculty and students working at many different levels of analysis. It includes faculty from Biological Sciences, Chemistry, Computer Science, Biomedical Engineering, Linguistics, Philosophy, Psychology, Gerontology, Medicine, and Pharmacy.
Enhance your degree with a related minor, or delve deeper by getting involved with one of our centers and institutes.

Minors & Institutes

- GEOBIOLOGY
- KINESIOLOGY
- COMPUTATIONAL BIOLOGY AND BIOINFORMATICS
- Brain and Creativity Institute
- CRANIOFACIAL & DENTAL TECHNOLOGY
- USC Michelson Center for Convergent Biology–Bridge Institute
- USC Wrigley Institute for Environmental Studies
- PSYCHOLOGY
- NEUROSCIENCE
- ENVIRONMENTAL CHEMISTRY AND SUSTAINABILITY
- Loker Hydrocarbon Research Institute
- HEALTH CARE STUDIES
- Dornsife Imaging Center
- CHEMISTRY
- BIOTECHNOLOGY
- MEDICAL ANTHROPOLOGY
- NATURAL SCIENCE

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