



Biology – The Science of Life

Our program is designed to prepare students for a broad spectrum of careers in the life sciences, including completion of all requirements for admission to professional schools (e.g., medical, dental, pharmacy and veterinary schools) and graduate programs.

Biology Major Requirements (63-67 units):

- General Biology I and II
- Cell Physiology
- Genetics
- Evolution
- One field/ecology course (e.g., California Wildlife, Marine Biology, Oceanography, Conservation Biology, Herpetology, etc.)
- Four biology electives (e.g., Human Anatomy, Human Physiology, Microbiology, Parasitology, Immunology, Light/Electron Microscopy, Animal Toxicology, Histology, Environmental Physiology, Molecular Biology, Plant Physiology, Virology, Endocrinology, Neurobiology, etc.; can include additional field/ecology courses)

- Supporting Courses
- Chemistry I and II
 - Organic Chemistry (1 or 2 semester option)
 - Biostatistics
 - Physics I and II

Sample Curriculum (depends on Core and language placement)

	Fall	Spring
Freshman Year	General Biology I General Chemistry I Core Writing Requirement Core Public Speaking	General Biology II General Chemistry II Core: Biostatistics Core Writing Requirement
Sophomore Year	Cell Physiology Organic Chemistry I* + lab Core Core or Language Requirement	Genetics Organic Chemistry II Core/General Elective/Minor Core or Language Requirement
Junior Year	Upper-Division Biology Elective Physics I Core General Elective/Minor	Upper-Division Biology Elective Physics II Core General Elective/Minor
Senior Year	Evolution Upper-Division Biology Elective Core General Elective/Minor	Upper-Division Biology Elective Upper-Division Biology Elective Core/General Elective/Minor General Elective/Minor

Undergraduate Research: Students have the opportunity to undertake research projects under faculty direction for upper-division Biology elective credit.

Biology Honors Program: Designed to provide superior undergraduate students with advanced opportunities to carry out original research.

Molecular Biology Emphasis: Preparation for positions in academic, medical or industrial biotechnology laboratories; or graduate study in genetics, molecular and cell biology.

Neuroscience Minor: An interdisciplinary program consisting of courses in Biology, Physics, Psychology, and Exercise and Sports Science.

USF Pre-professional Health Committee (PPHC): Assists students with preparation and the application process for professional and graduate schools.