

## BIOLOGY



### Bachelor of Arts in Biology-Human Biological Sciences

#### Contact Us

**Phone** (661) 654-3089  
**Email** [biology@csub.edu](mailto:biology@csub.edu)  
**Web** [www.csub.edu/biology](http://www.csub.edu/biology)  
**Office** Science I, Room 114

The Bachelor of Arts in Human Biological Sciences curriculum is designed to provide students with a foundation in Biology in Human/Health related fields. Students with this degree may enter several different career paths such as: physician's assistant school, biomedical/pharmaceutical sales, public/county health, health care/assisted living, health care office staff and food industry. This degree is not designed for pre-medical or dental students (see BS in Biology instead). Students seeking a Bachelor of Arts degree with a major in Human Biological Sciences must complete the following:

#### Biology Courses

- a. Lower division
  - BIOL 2010 Intro Biology-Cells\*
  - BIOL 2210 Human Anatomy
  - BIOL 2220 Human Physiology
  - BIOL 2230 Microbiology
  - BIOL 2240 Principles of Nutrition
- b. Upper division
  - BIOL 3010 General Genetics
  - BIOL 3020 General Physiology
  - BIOL 3210 Human Ecology
  - BIOL 3220 Human Pathophys.
  - BIOL 3430 Parasitology
  - BIOL 3440 Virology
  - BIOL 3530 Immunology
  - BIOL 3540 Hematology
  - BIOL 4200 Medical Microbiology
  - BIOL 4928 Senior Seminar

A minimum GPA for these 49 units is 2.0

\*A grade of C- or better in BIOL 2010 is required to advance into upper division biology courses.

#### Cognates

BIOL 2600 Current Health Problems or NURS 2190 Lifespan Development  
CHEM 1000 Foundations of Chemistry  
CHEM 1001 Foundations of Chemistry Laboratory  
CHEM 2300 Foundations of Organic Chemistry  
MATH 1050 Pre-Calculus I or equiv.  
Statistics: One of: MATH 2200, MATH 1209, KINE 2018, PSYCH 2018 or SOC 2208

A minimum GPA for these 18 units is 2.0

#### General Education Information

Students should read the CSUB catalog and be familiar with the curriculum. Faculty advisors are available to consult for specific questions related to the major. Specific information related to general education requirements is available in the catalog.

#### Degree-specific general education information

General education Areas B1, B2, B3, B4 & Capstone are satisfied by required courses within the major

The SELF requirement can be met with selection of courses in Area C or D that also meet the SELF requirement.

Total General Education: 41 units

Additional university-wide elective units: 12 units for BA in Human Biology



**CSU Bakersfield**  
School of Natural Sciences,  
Mathematics, and Engineering

[www.csub.edu/nsme](http://www.csub.edu/nsme)

(661) 654-3450

[nsme@csub.edu](mailto:nsme@csub.edu)