The Bachelor of Arts in Human Biological Sciences curriculum includes a specific set of courses designed to provide students with a foundation in Biology in Human/Health related fields. Students who complete this degree option may enter into several different career paths such as: biomedical/pharmaceutical sales, public/county health, health care/assisted living, health care office staff and food industry. Students seeking a Bachelors 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 4200 Medical Microbiology
   - BIOL 4920 Senior Seminar

c. Electives
   - Two of the following three courses
     - BIOL 3430 Parasitology
     - BIOL 3530 Immunology
     - BIOL 3540 Hematology

7 units of additional upper

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**

- NURS 2190 Lifespan Development OR BIOL 2600 Current Health Problems
- CHEM 1000 Foundations of Chemistry
- CHEM 1001 Foundations of Chemistry Laboratory
- CHEM 2300 Foundations of Organic Chemistry
- MATH 1209 Statistics in the Modern World
- MATH 1050 Pre-Calculus I

A minimum GPA for these 16-17 units is 2.0

**Curriculum**

Students should read the CSUB catalog and be familiar with the curriculum, and consult with their faculty advisor for specific questions related to the major

**General Education Information**

a. Area A4-Satisfied by Biology Majors
b. Areas B1-B2 Satisfied by Biology Majors
c. Total General Education 39 units

Additional units 16 for BA in Human Biology