

Human Biological Sciences

Specific Requirements for the Bachelor of Arts Degree with a Major in Human Biological Sciences.

The curriculum for the Bachelor of Arts Degree in Human Biological Sciences 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.

Requirements for the B.A. in Human Biological Sciences

Students seeking a Bachelor of Arts Degree with a major in Human Biological Sciences must complete the following:

1. Biology courses*

a. Lower division:

BIOL 201 Intro Biology-Cells (5)
BIOL 250 Human Anatomy (5)
BIOL 255/256 Human Physiology (6)
BIOL 260 Microbiology (5)
BIOL 270 Principles of Nutrition (3)

Note: A grade of C- or better in BIOL 201 is required to advance into upper division biology courses.

b. Upper division (28-29 units):

BIOL 304 General Genetics (4)
BIOL 305 General Physiology (4)
BIOL 355 Human Pathophysiology (5)
BIOL 414 Medical Microbiology (5)
BIOL 490B Senior Seminar (3)

Electives:

c. Two of the following four courses:

BIOL 316 Parasitology (4)
BIOL 317 Medical Mycology (3)
BIOL 318 Immunology (4)
BIOL 319 Hematology (4)

d. 15 units of additional upper division, one elective must be 400-level

*A minimum GPA for these 67 units is 2.0.

2. Cognates+

NURS 235 Lifespan Development (5)
CHEM 150 General, Organic, and Biochemistry I (5)*
CHEM 203 General, Organic, and Biochemistry II (5)
MATH 140 Elementary Statistics (5) or
MATH 191 Pre-Calculus I:
College Algebra (5)

One (1) 5 unit cognate elective subject to advisor approval.

+ A minimum GPA for these 25 units is 2.0.

3. Curriculum

a. Goals for the program and student learning outcomes:

The goals and objectives for the BA in Human Biology will be consistent with the existing goals and objectives for the B. S. in Biology with the following exceptions.

Goal I, Objective 1, item C, will focus on human structure, function, and nutrition.

Goal I, Objective 2, item C, will focus on pathophysiology and medical microbiology.

Goal I, Objective 5, will focus on biological literacy of human biology.



Natural Sciences, Mathematics & Engineering
California State University, Bakersfield
9001 Stockdale Highway, 13 SCI
Bakersfield, California 93311-1022

Department of Biology
Science I, Room 114
661-654-3089 FAX 661-654-6956
Website: www.csub.edu/biology