



Public Health: Making an Impact on Health for All

Bachelor of Science (B.S.) in Public Health

Contact Information

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What is Public Health?

The mission of public health is to fulfill our society's interest in assuring the conditions in which people live can be healthy. Public health improves quality of life, helps struggling populations to thrive, protects communities against disease threat, and saves healthcare dollars through prevention and health promotion.

What Do Public Health Professionals Do?

Medical professionals such as doctors and nurses treat individuals who are sick.

Public Health professionals try to prevent individuals from getting sick; by promoting healthy behaviors. Public Health professionals work with individuals, families, or communities to prevent individuals from getting sick by promoting healthy behaviors.

Public Health professionals play a variety of roles:

- Provide **education** to inform and empower people about health issues.
- Conduct **research** to inform people about health.
- **Monitor** health status **data, identifying trends** regarding emerging infectious diseases or other health problems that are occurring, or may occur, in the community.
- **Set safety standards** and regulations to **protect workers** and **prevent injuries**.
- **Respond to disasters** and emergencies in the communities, such as earthquakes, wildfires, hazardous materials accidents.
- Respond in pandemics by tracking and monitoring disease data from all local healthcare agencies, establishing recommendations for policy based on data and scientific principles, and by providing contact tracing and education to other healthcare providers, businesses and the community in general.
- Develop and carry out programs to **help eliminate health disparities** and increase awareness regarding social determinants of health.
- Lowering risks and health impacts from **environmental exposures** that may cause health problems.

Where Do Public Health Professionals Work?

- Local, State or Federal Public Health Agencies
- Local, State or Federal Environmental Health Agencies
- Healthcare Systems, such as HMOs or large hospitals
- Elementary and High Schools
- Advocacy Groups or Non-Profit Organizations
- Grant Writing or Consulting Firms
- Academic and Research Institutions



CSU Bakersfield

School of Natural Sciences,
Mathematics and Engineering

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Degree Requirements

**Core Requirements Specific to the Major:
Lower Division Core Units:
37 units with a minimum GPA of 2.0**

- BIOL 1009 Perspectives in Biology
- BIOL 2210 Human Anatomy
- BIOL 2220 Human Physiology
- BIOL 2600 Current Health Problems
- BIOL 2230 Microbiology
- BIOL 2240 Nutrition
- BIOL 3410 Human Ecology
- CHEM 1000 Found. of Chemistry
- CHEM 1001 Found. of Chemistry Laboratory
- PH 2010 Careers in Public Health
- KINE 1018: Lifetime Fitness
- MATH 2200: Intro to Statistical Concepts
- PSYCH 1018: Explor. In Psychology
- SOC 1008: Intro. To Sociology

**Upper Division Core Units:
30 units with a minimum GPA of 2.0**

- SCI 3019: Revolutionary Ideas in Human Biology
- BIOL 3440: Virology
- ECON 3108: Health and Health Care
- KINE 3118: Epidemiology and Wellness
- PH 3000: Public Health Practices
- PPA 4250: US Health Care System
- PSYCH 3260: Social Psychology
- PSYCH 4340: Health Psychology
- SOC 4620: Sociology of Health & Wellness
- PH 4918: Senior Seminar in PH

The Bachelor of Science Degree in Public Health curriculum includes an interdisciplinary set of specific courses designed to provide students with a foundation in Public Health and related fields of study.

Upper Division Electives:

Four elective courses (12 units) selected from list of pre-approved upper division courses. (Substitutions may be allowed with pre-approval)

12 units with a minimum GPA of 2.0

- BIOL 3210: Human Ecology
- BIOL 3220: Human Pathophysiology
- BIOL 4200: Medical Microbiology
- ERM 3010: Intro to Occupational, Safety & Health Management
- KINE 3340: Child & Adolescent Physical Activity and Health
- KINE 4160: Exercise and Aging
- KINE 4170: Worksite Health Promotion
- KINE 4220: Behavioral Aspects of Physical Activity & Exercise
- PSYC 3430: Adults in Later Life
- PSYC 3620: Psych. Aspects of Human Sexuality
- PSYC 4320: Mental Health & Aging
- MATH 3210: Applied Statistics
- SOC 4630: Sociology of Medicine
- HIST 4528: Plagues & PH: Epidemiology & Society Since 1800

Free Electives (6 units)

**Major Requirements: 79 units
Free Elective Units: 6 units
General Education: 35 units
Total Units Required to Graduate: 120 units**

General Education Requirements:

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.

35 units (25 units of GE are met by courses in major)

Lower Division GE:

- First Year Seminar (2 units)
- Area A Foundational Skills (9 units)
 - Math 2200 satisfies A4 requirement
- Area B Natural Sciences (xx units)
 - CHEM 1000/1001 satisfies B1
 - BIOL 1009 satisfies B2
- Area C Arts & Humanities (6 units)
- Area D Social & Behavioral Sciences (xx units)
 - SOC 1008 or PSYCH 1018 satisfy Area D
- Area F Ethnic Studies (3 units)
- American Institutions (6 units)
- SELF (3 units)
 - KINE 1018 meets 2 units of the SELF requirement (confer with advisor)

Upper Division GE:

- Junior Year Diversity Requirement (3 units)
- Upper Division Area B (3 units)
 - SCI 3019 satisfies UD Area B
- Upper Division Area C (3 units)
- Upper Division Area D (3 units)
 - KINE 3118 or Econ 3108 satisfies UD Area D
- GEAR (exam or 3 unit class)
- Capstone (3 units)
 - PH 4918 satisfies Capstone



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