PUBLIC HEALTH, BS

Natural Sciences, Mathematics, and Engineering (NSME) (https://catalog.csub.edu/general-information/nsme-undefined/)

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Director of Health-Related Programs: Todd McBride
Faculty: Linh Bui, Andrea Lopez, Chia Thao

The mission of the Bachelor of Science in Public Health degree program is to produce graduates with current and accurate knowledge in the public health discipline who will be strong advocates for public health, and who will help to resolve current issues in public health locally and nationally, and will promote strategies for community and individual wellness.

Program Description

The B.S. in Public Health serves students who are interested in pursuing careers in the area of public health. The program prepares students to plan, implement and evaluate public health programs and to appraise a wide variety of health and human services programs related to public health issues.

Graduates of this program will be qualified for employment in areas of both public and private health and human services agencies (city, county, state, national), hospitals, schools, corporations, and nonprofit or professional public health consulting organizations. Prerequisite for the program is to be a CSUB student in good academic standing.

Program Requirements

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. This degree is not intended for pre-medical or similar areas of pre-professional study. Students seeking a Bachelor of Science degree with a major in Public Health must complete the following:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td></td>
<td><strong>General Education Requirements</strong></td>
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<tr>
<td></td>
<td>First-Year Seminar (FYS)</td>
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<tr>
<td></td>
<td>Lower Division Area A: Foundational Skills</td>
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<tr>
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<td>Lower Division Area B: Natural Sciences</td>
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<tr>
<td></td>
<td>Lower Division Area C: Arts and Humanities</td>
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<td>Lower Division Area D: Social and Behavioral Sciences</td>
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<td></td>
<td>Lower Division Area E: Student Enrichment and Lifelong Learning (SELF)</td>
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<td>Lower Division Area F: Ethnic Studies</td>
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<td>American Institutions: Government and History</td>
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<td></td>
<td>Junior Year Diversity &amp; Reflection (JYDR)</td>
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<tr>
<td></td>
<td>Graduation Writing Assessment Requirement (GWAR)</td>
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<tr>
<td></td>
<td>Upper Division Thematic Area C and D</td>
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<td></td>
<td><strong>Lower Division Core</strong></td>
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Electives

Select 18 units of the following pre-approved courses:

- BIOL 1009 Perspectives in Biology 3
- BIOL 2210 Human Anatomy 4
- BIOL 2220 Human Physiology 4
- BIOL 2600 Current Health Problems 3
- CHEM 1000 Foundations of Chemistry 4
- CHEM 1001 and Foundations of Chemistry Laboratory 3 & 6
- or CHEM 1003 Foundations of Chemistry for Healthcare Professionals
- KINE 1018 Lifetime Fitness 2
- MATH 2200 Introduction to Statistical Concepts and Methods 4
- or KINE 2018 Introduction to Statistics for Health Sciences
- or PSYC 2018 Introduction to Statistical Methods in Psychological Research
- or SOC 2208 Introduction to Statistics in the Social Sciences
- SOC 1008 Introduction to Sociology 3
- PH 2000 Introduction to Public Health 5
- PH 2020 Health Communication 5

**Upper Division Core**

- KINE 3118 Epidemiology and Wellness 5
- PH 3110 Health Promotion and Theory 5
- PH 3218 Health Equity 5
- PH 3310 Community Needs Assessment and Program Planning 5
- PH 3410 Health Policy 5
- PH 4110 Research Methods 5
- PH 4918 Senior Seminar in Public Health 5
- HCA/PPA 4250 U.S. Health Care System: Then and Now 5

- **Electives**

Select 18 units of the following pre-approved courses:

- BIOL 2010 Introductory Biology - Cells
- BIOL 2230 Microbiology
- BIOL 2240 Principles of Nutrition
- BIOL 3210 Human Ecology
- BIOL 3220 Human Pathophysiology
- BIOL 3440 Virology
- BIOL 4200 Medical Microbiology
- ECON 3108 Economics of Health and Health Care
- ERM 3010 Introduction to Occupational Safety and Health Management
- HIST 4528 Plagues and Public Health: Epidemiology and Society since 1800
- KINE 3340 Child and Adolescent Physical Activity and Health
- KINE 4160 Exercise and Aging
- KINE 4170 Worksite Health Promotion
- KINE 4220 Behavioral Aspects of Physical Activity and Exercise
- MATH 3210 Applied Statistical Computing and Multivariate Methods
- PSYC 3260 Social Psychology
- PSYC 3430 Adults in Later Life
- PSYC 3620 Psychological Aspect of Human Sexuality
- PSYC 4320 Mental Health and Aging
- PSYC 4340 Health Psychology

- **Graduation Writing Assessment Requirement (GWAR)**
- Junior Year Diversity & Reflection (JYDR)
- Upper Division Thematic Area C and D
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>SCI 3018</td>
<td>Revolutionary Ideas in Human Biology</td>
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<tr>
<td>SOC 4620</td>
<td>Sociology of Health and Wellness</td>
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<tr>
<td>SOC 4630</td>
<td>Sociology of Medicine</td>
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**Major Subtotal** 75

**Additional Units Needed Towards Graduation** 13

**Total Units** 120

1. A minimum GPA for these 79 units is 2.0
2. 12 units must be upper division; (substitutions may be allowed with pre-approval)
3. A modification to the standard GE program has been approved that allows the possibility of satisfying some GE requirements through the major:
   - B1/B3 is satisfied if you completed CHEM 1000 Foundations of Chemistry and CHEM 1001 Foundations of Chemistry Laboratory
   - (If you take CHEM 1003 Foundations of Chemistry for Healthcare Professionals you must complete a B1 course)
   - B2/B3 is satisfied by BIOL 1009 Perspectives in Biology.
   - The units for Area B can range from 0-3 depending on which CHEM course the student selects.

4. Several major courses (19-20 units) double count with the GE:
   - B4 is satisfied by MATH 2200 Introduction to Statistical Concepts and Methods, PSYC 2018 Introduction to Statistical Methods in Psychological Research, KINE 2018 Introduction to Statistics for Health Sciences or SOC 2208 Introduction to Statistics in the Social Sciences
   - Area D is satisfied by PSYC 1018 Explorations in Psychology
   - SELF requirement is satisfied by KINE 1018 Lifetime Fitness
   - JYDR is satisfied by PH 3218 Health Equity
   - Upper Division Area D is met by KINE 3118 Epidemiology and Wellness
   - Upper Division Area B is not required
   - Capstone is incorporated into PH 4918 Senior Seminar in Public Health

5. Public Health majors must achieve a C- or higher in all major courses (PH 2000, PH 2020, KINE 3118, PH 3110, PH 3218, PH 3310, PH 3410, PH 4110, HCA 4250, PH 4918). If the student achieves lower than a C- they will be required to repeat the course for graduation.

6. CHEM courses could have a range of 4-6 units depending of selection: CHEM 1000 Foundations of Chemistry(3) & CHEM 1001 Foundations of Chemistry Laboratory(2) OR CHEM 1003 Foundations of Chemistry for Healthcare Professionals