

# PUBLIC HEALTH, BS

Natural Sciences, Mathematics, and Engineering (nsme) (<https://catalog.csub.edu/general-information/csub-information/school-natural-sciences-mathematics-engineering/>)

Department of Biology (<https://catalog.csub.edu/general-information/csub-information/school-natural-sciences-mathematics-engineering/department-biology/>)

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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 Health 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:

Code	Title	Units
<b>General Education Requirements</b>		
First-Year Seminar (FYS)		2
Lower Division Area A: Foundational Skills		9
Lower Division Area B: Natural Sciences <sup>3</sup>		0
Lower Division Area C: Arts and Humanities		6
Lower Division Area D: Social and Behavioral Sciences <sup>4</sup>		0
Lower Division Area E: Student Enrichment and Lifelong Learning (SELF) <sup>4</sup>		0
Lower Division Area F: Ethnic Studies		3
American Institutions: Government and History		6
Junior Year Diversity & Reflection (JYDR) <sup>4</sup>		0
Graduation Writing Assessment Requirement (GWAR) <sup>4</sup>		3
Upper Division Thematic Area C and D		3
General Education Capstone <sup>4</sup>		0

<i>General Education Subtotal</i>		32
<b>Core Requirements <sup>1</sup></b>		
<i>Lower Division Core</i>		
BIOL 1009	Perspectives in Biology	3
BIOL 2210	Human Anatomy	4
BIOL 2220	Human Physiology	4
BIOL 2600	Current Health Problems	3
CHEM 1000 & CHEM 1001	Foundations of Chemistry and Foundations of Chemistry Laboratory <sup>3 &amp; 6</sup>	4
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 <sup>5</sup>	3
PH 2020	Health Communication <sup>5</sup>	3
<i>Upper Division Core</i>		
KINE 3118	Epidemiology and Wellness <sup>5</sup>	3
PH 3110	Health Promotion and Theory <sup>5</sup>	3
PH 3218	Health Equity <sup>5</sup>	3
PH 3310	Community Needs Assessment and Program Planning <sup>5</sup>	3
PH 3410	Health Policy <sup>5</sup>	3
PH 4110	Research Methods <sup>5</sup>	3
PH 4918	Senior Seminar in Public Health <sup>5</sup>	3
HCA/PPA 4250	U.S. Health Care System: Then and Now <sup>5</sup>	3
<i>Electives</i>		
Select 18 units of the following pre-approved courses: <sup>2</sup>		18
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	
BIOL 3318	Revolutionary Ideas in Human Biology	
SOC 4620	Sociology of Health and Wellness	
SOC 4630	Sociology of Medicine	
<i>Major Subtotal</i>		75
<b>Additional Units Needed Towards Graduation</b>		<b>13</b>
<b>Total Units</b>		<b>120</b>

<sup>1</sup> A minimum GPA for these 79 units is 2.0

<sup>2</sup> 12 units must be upper division; (substitutions may be allowed with pre-approval)

<sup>3</sup> 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.

<sup>4</sup> 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

<sup>5</sup> 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.

<sup>6</sup> 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