

BS IN PUBLIC HEALTH (HEALTH INFORMATICS AND DATA SCIENCE)

Units required for Major: 54-58
Total units required for BS: 120

Program Description

The academic area of study in Public Health is part of the College of Health and Human Services. Students pursue a Public Health concentration leading to a degree with specialization and job skills applicable to one of two professional areas of study: Health Informatics and Data Science, Health Promotion or Occupational Safety & Health. The program supports focused academic preparation in each concentration such that Public Health BS graduates will have job appeal in their chosen professional field.

Students can expect to be involved in both coursework and field experiences across areas of Public Health practice and within each concentration, such as consumer health issues, alcohol and other drugs, human sexuality, health promotion, unintentional injury causes and prevention, and other personal, occupational, and community health and safety issues.

Students should check the Department website for requirements and speak with the Public Health academic advisor to help with their academic plans.

Note: Students graduating with a BS in Public Health (all concentrations) will not be subject to the University's Foreign Language Graduation Requirement. Students who change major may be subject to the University's Foreign Language Graduation Requirement.

Admission Requirements

Direct Admission

When applying to Sacramento State through CSU Apply, selecting Public Health (all concentrations) will grant admission without any additional supplemental documentation.

The Bachelor of Science in Public Health program requires 12 units of lower-division courses that should be completed prior to starting upper division coursework.

Additional Information


Repeat Policy: Public Health majors can only repeat Public Health courses one time if they receive less than a "C." Students must meet with their academic advisor before petitioning the department to repeat the course. Refer to the Repeat Policy section of the Sacramento State Catalog for additional information.

Advising: It will be necessary to work very closely with an advisor to complete the BS degree in a timely manner. Therefore, the Public Health faculty strongly recommends that all Public Health students consult with an advisor prior to enrollment for any course. This procedure should be followed each semester.

Minimum Grade Requirement

All courses must be completed with at least a "C" grade.

Program Requirements

Code	Title	Units
Required Lower Division Courses (12 Units)		
BIO 20 or BIO 10	Biology: A Human Perspective ¹ Basic Biological Concepts	3
PUBH 50	Healthy Lifestyles	3
PUBH 98	Public Health Professions Seminar	3
STAT 1	Introduction to Statistics ¹	3
Required Upper Division Courses (18 Units)		
PUBH 100	Fundamentals of Safety and Health	3
PUBH 116	Public Health Policy, Management & Administration	3
PUBH 118	Introduction to Public Health (This has been revised to Introduction in Public Health)	3
PUBH 147	Health Data Analysis	3
PUBH 148	Epidemiology	3
PUBH 151	Introduction to the U.S. Healthcare System	3
Concentration in Health Informatics and Data Science (27 Units)		
PUBH 152	Healthcare Systems and Operations	3
PUBH 170	Introduction to Health Informatics	3
PUBH 171	Artificial Intelligence In Healthcare	3
PUBH 172	Health Data Visualization	3
PUBH 173	Health Data Management and Coding	3
PUBH 174	Advanced Health Data Analysis	3
DS 105	Decision Analytics	3
Choose two from the following:		6
CSC 10	Introduction to Programming Logic	
MIS 15	Introduction to Business Programming	
DS 102	Foundation and Tools for Business Analytics	
MIS 101	Computer Information Systems for Management	
MIS 170	Information Systems Security	
GEOG 109	Geographic Information Systems	
GEOG 110	Spatial Analysis in GIS	
MIS 150	Database Systems for Business	
MIS 140	Business Data Communication	
PUBH 155	Introduction to Healthcare Process Improvement	
PUBH 153	Administration of Healthcare Organizations	
PUBH 124	Ethical Considerations in Public Health 	
PUBH 195	Fieldwork - Health or Safety	
Total Units		57

¹ Course also satisfies General Education (GE)/Graduation Requirement.

Note: Public Health courses depend upon concentration, permission of the faculty advisor, program coordinator, and department chair.

General Education Requirements¹

Code	Title	Units
Area A: Basic Subjects (9 Units)		
A1	Oral Communication	3

A2 - Written Communication	3
A3 - Critical Thinking	3
Area B: Physical Universe and Its Life Forms (6 Units)	
B1 - Physical Science ²	0
B2 - Life Forms	3
B3 - Lab (Note: Lab experience to be taken with one of the following: B1, B2 or B5 ²)	0
B4 - Math Concepts ²	0
B5 - Additional Course (Any B to reach 12 units) - Take upper-division course to complete Area & upper division requirements.	3
Area C: Arts and Humanities (12 Units)	
C1 - Arts	3
C2 - Humanities	3
C1/C2 - Area Course C	3
C1/C2 - Area C Course - Take upper-division course to complete Area & upper division requirements.	3
Area D: The Individual and Society (6-9 Units)	
Area D Course	3
Area D Course	3
Area D Course - Take upper-division course to complete Area & upper division requirements. ³	0 - 3
Area E: Understanding Personal Development (3 Units)	
Area E Course	3
Area F: Ethnic Studies (3 Units)	
Area F Course	3
Total Units	39-42

¹ To help you complete your degree in a timely manner and not take more units than absolutely necessary, there are ways to use single courses to meet more than one requirement (overlap). For further information, please visit the General Education page (<https://catalog.csus.edu/colleges/academic-affairs/general-education/>).

Note: There is no way to list all possible overlaps so please consult with a professional advisor. The Academic Advising Center can be visited online (<http://www.csus.edu/acad>), by phone (916) 278-1000, or email (advising@csus.edu).

² Required in Major; also satisfies GE.

³ Department offers students a "select from the following option":

- If student chooses to take ENVS 165, they will meet upper division Area D.

Graduation Requirements ¹

Code	Title	Units
Graduation Requirements (required by CSU) (9 Units)		
American Institutions: U.S. History		3
American Institutions: U.S. Constitution & CA Government		3
Writing Intensive (WI)		3
Graduation Requirements (required by Sacramento State) (6 Units)		
English Composition II		3
Race and Ethnicity in American Society (RE)		3
Foreign Language Proficiency Requirement ²		0

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² If not satisfied before entering Sacramento State, it may be satisfied in General Education Area C2 (Humanities). "C- or better required." The alternative methods for satisfying the Foreign Language Proficiency Requirement are described here: <https://www.csus.edu/college/arts-letters/world-languages-literatures/foreign-language-requirement.html>

Note: Students with a declared major of BS in Public Health (Occupational Health and Safety), BS in Public Health (Health Care Administration), or BS in Public Health (Community Health Education) are exempt from the Foreign Language Graduation Requirement.