

# 2019 – 2020 Public Health Curriculum Guide

## Bachelor of Science with a major in Public Health

The Bachelor of Science with a major in Public Health at the University of Arizona is a degree that will provide you with comprehensive coursework and experiential education in public health. In Arizona, the UA public health degree is the only program accredited by the [Council on Education for Public Health](#).

You will have the opportunity to customize your degree experience to match your interests, aspirations, and future goals. Learn more about the emphasis areas and decide which is right for you.

Emphasis Options:	For students seeking careers in...	Students learn about...
<b>Environmental and Occupational Health</b>	Public health research, environmental health, occupational health and safety, industrial hygiene, compliance, and similar professions.	Industrial hygiene, health and safety hazards, hazard management, exposure and risk assessment, behavioral safety, and public health preparedness.
<b>Global Health</b>	A global setting or agencies concerned with global health.	Geographical variations of disease prevalence and how to develop, manage, and evaluate public health programs designed to address health disparate populations.
<b>Health Promotion</b>	Public health education, public health promotion, community outreach and assessment, social and behavioral sciences, and similar professions.	Health education methods, health promotion and intervention strategies, community services, cultural humility, and the impacts of sociocultural differences on public health.
<b>Health Systems Theory and Practice</b>	Health care administration, health care policy, public health management, and similar professions.	Economics of health care and health care reform, hospital management and administration, health policy, biological research, biomedicine, mental health issues, organizational assessment and planning, and public health marketing.
<b>Quantitative Methods in Public Health</b>	Public health research, epidemiology, biostatistics, data analysis and collection, health data management, and similar professions.	Quantitative methods often used to address public health issues, including study designs, data collection, analysis, acquisition and integration concepts from genetic association studies and infectious disease studies, data assessment and visualization, and data analysis and communication.

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	THE UNIVERSITY OF ARIZONA <b>Mel &amp; Enid Zuckerman</b> <b>College of Public Health</b>	<b>Curriculum Guide: 2019-2020</b> Bachelor of Science Major in Public Health
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Aspirations for after graduation: \_\_\_\_\_

Expected Graduation date: \_\_\_\_\_

<b>PRE-MAJOR PREREQUISITE COURSES</b> <i>(all units required, grades C or higher)</i>				
Please note: students are eligible to apply to the major when the remaining prerequisite coursework is 5 units or fewer.				
Course Number and Title	Units	Notes	Semester/Year	Grade
<b>First Semester Composition</b> ENGL 101, 101A or 107	3			
<b>Second Semester Composition</b> ENGL 102, 108 or 109H	3			
<b>Second Language</b> Second Semester Language Proficiency	0-8			
<b>College Algebra</b> MATH 112 or higher	3			
<b>Personal Health and Wellness</b> HPS 178	3			
<b>Introduction to Public Health</b> HPS 200	3			
<b>Introduction to Nutrition</b> NSC 101	3			
<b>Chemistry</b> CHEM 101A and CHEM 101B/102 or CHEM 151 and CHEM 152 or CHEM 141/143 and CHEM 142/144 or CHEM 161/163 and CHEM 162/164	7-8			
<b>Introductory Biology</b> MCB 181R	3			
<b>Introductory Biology Lab</b> MCB 181L	1			

<b>GENERAL EDUCATION COURSES</b> <i>(all units required before graduation, grades D or higher)</i>				
<b>Individuals and Societies - Tier I:</b> 150 numbered course	3			
<b>Individuals and Societies - Tier I:</b> 150 numbered course	3			
<b>Traditions and Cultures - Tier I:</b> 160 numbered course	3			
<b>Traditions and Cultures - Tier I:</b> 160 numbered course	3			
<b>Arts or Humanities - Tier II</b>	3			
<b>Individuals and Societies - Tier II</b> (PHPM 310/HPS 387/HPS 300 may not be used)	3			

Arizona transfer students: AGEC Complete? ☐ YES ☐ NO ☐ IN PROGRESS \_\_\_\_\_

## REQUIRED PUBLIC HEALTH COURSES

All courses on this page must be completed to graduate with a major in public health.

### **PUBLIC HEALTH CORE ONE** *(all 25 units required, grades C or higher)*

\*Students may complete these courses as pre-public health students or public health students, if individual course prerequisites are met.

Course Number and Title	Units	Semester Typically Offered	Notes	Semester/Year	Grade
<b>PSIO 201*</b> or <b>380*</b> Anatomy and Physiology I or Fundamentals of Human Physiology	4	Fall, Spring, Summer			
<b>ENGL 307*</b> or <b>308*</b> Business Writing or Technical Writing	3	Fall, Spring, Summer			
<b>EPID 309</b> Introduction to Epidemiology	3	Fall, Spring			
<b>PHPM 310</b> Health Care in the U.S.	3	Fall, Spring			
<b>HPS 350</b> Principles of Health Education and Health Promotion	3	Fall, Spring			
<b>EHS 375</b> Introduction to Environmental and Occupational Health	3	Fall, Spring			
<b>BIOS 376</b> Introduction to Biostatistics	3	Fall, Spring			
<b>HPS 387</b> Health Disparities and Minority Health	3	Fall, Spring			

\*Course availability/offerings for PSIO and ENGL courses determined by the Physiology and English departments



### **To enroll in 400-level public health courses:**

Students must have applied and been admitted to the **professional public health major**

*(To apply to the public health major, students must have completed the necessary pre-major prerequisites and have a cumulative UA GPA of 2.5 or higher)*



### **PUBLIC HEALTH CORE TWO** *(all 6 units required, grades C or higher)*

\*Students **must be admitted to the professional public health major** to enroll in these courses.

<b>HPS 433</b> Global Health	3	Fall, Spring			
<b>HPS 478</b> Public Health Nutrition	3	Fall, Spring			

### **PUBLIC HEALTH INTERNSHIP** *(all 6 units required, grade P or S)*

Students can customize their degree with an internship experience tailored to their interests and future goals.

\*Students **must be admitted** to the professional public health major to enroll in this course.

\*\* To complete the required internship, students must have satisfactorily completed HPS 178, HPS 200, HPS 350, and the [internship prep orientation](#).

\*\*\*It is recommended to split the internship over two terms (fall, spring, summer).

\*\*\*\*Students are limited to the UA maximum of 19 units/semester when completing internship units.

<b>HPS 493A(/H)</b> Public Health Internship	3	Fall, Spring, Summer			
<b>HPS 493A(/H)</b> Public Health Internship	3	Fall, Spring, Summer			

**Extracurricular involvement (work, clubs, volunteer, research, etc.):**

**PUBLIC HEALTH EMPHASIS COURSES** (Select ONE (1) emphasis and complete 12 units in that emphasis with grades D or higher)

**Environmental and Occupational Health Emphasis:**

Select any 9 units in addition to the required EHS 484\*\* course

	Units	Semester Typically Offered	Notes	Semester/Year	Grade
<b>EHS 484**</b> Fundamentals of Industrial and Environmental Health	3	Fall			
<b>HPS 401</b> Introduction to Mapping for Public Health	3	Summer			
<b>HPS 409</b> Global Water, Sanitation, and Hygiene (WaSH)	3	Spring			
<b>EHS 418</b> Introduction to Health Risk Assessment	3	Fall			
<b>EHS 422</b> Safety Fundamentals	3	Spring			
<b>EHS 426</b> Topics in Environmental Justice	3	Fall			
<b>EHS 439A</b> Outbreaks and Environmental Biology: Then to Now	3	Summer			
<b>EHS 489</b> Public Health Preparedness	3	Fall			

**Global Health Emphasis:**

Select any 12 units

	Units	Semester Typically Offered	Notes	Semester/Year	Grade
<b>HPS 401</b> Introduction to Mapping for Public Health	3	Summer			
<b>HPS 404</b> Fundamentals of Evaluation	3	Spring			
<b>HPS 409</b> Global Water, Sanitation, and Hygiene (WaSH)	3	Spring			
<b>EPID 411</b> Health and Disease Across Time and the World	3	Spring			
<b>HPS 416</b> The World's Food and Health	3	Fall			
<b>HPS 417</b> Health Systems in Global Health	3	Spring			
<b>EPID 479</b> Infections and Epidemics	3	Spring			
<b>Upper Division</b> Public Health Study Abroad Credits	3	Fall, Spring, Summer*			
<b>Upper Division</b> Public Health Study Abroad Credits	3	Fall, Spring, Summer*			

**Health Promotion Emphasis:**

Select any 12 units

	Units	Semester Typically Offered	Notes	Semester/Year	Grade
<b>HPS 400</b> Contemporary Community Health Problems	3	Fall			
<b>HPS 401</b> Introduction to Mapping for Public Health	3	Summer			
<b>HPS 403</b> Applications in Health Promotion Behavioral Theories & Health	3	Fall			
<b>HPS 404</b> Fundamentals of Evaluation	3	Spring			
<b>HPS 409</b> Global Water, Sanitation, and Hygiene (WaSH)	3	Spring			
<b>HPS 481</b> Health Education Intervention Methods	3	Spring			
<b>HPS 497E</b> Public Health for Community Wellness	2	Fall, Spring			
<b>HPS 497G</b> Open Airways for Schools	1	Fall, Spring			

**Health Systems Theory and Practice Emphasis:**

Select any 12 units

	Units	Semester Typically Offered	Notes	Semester/Year	Grade
<b>HPS 405</b> Biology in Public Health	3	Spring			
<b>HPS 402</b> Corporate Wellness	3	Summer			
<b>PHPM 407</b> Health Economics and Policy	3	Fall, Spring			
<b>HPS 412</b> Public Health Approaches to Mental Health Disorders in the US	3	Spring			
<b>HPS 417</b> Health Systems in Global Health	3	Fall			
<b>PHPM 415</b> Strategic Planning	3	Spring			
<b>PHP 421</b> Introduction to Public Health Law and Ethics	3	Summer			
<b>PHPM 458</b> Health Care Marketing	3	Spring			

**Quantitative Methods in Public Health Emphasis:**

Select any 12 units

	Units	Semester Typically Offered	Notes	Semester/Year	Grade
<b>HPS 401</b> Introduction to Mapping for Public Health	3	Summer			
<b>EPID 411</b> Health and Disease Across Time and the World	3	Spring			
<b>EPID 450</b> Health Data Acquisition, Assessment, and Integration	3	Fall			
<b>BIOS 451</b> Health Data Management	3	Fall			
<b>BIOS 452</b> Health Data Management and Visualization	3	Spring			
<b>EPID 453</b> Health Data Science Practice	3	Fall			
<b>EPID 479</b> Infections and Epidemics	3	Spring			

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\*Students can further customize their degree by choosing general and public health electives.

**GENERAL ELECTIVES** (consult with your advisor about how many units you need to reach the University minimum of 120 total units. Most public health students need 15 units. Grades D or higher)

These courses can be *any* units, including prerequisite requirements for your future aspirations, transfer coursework not directly applicable to degree requirements, minor coursework, etc.

Course Number and Title	Units	Notes	Semester/Year	Grade

Turn the page for public health elective options.

**PUBLIC HEALTH ELECTIVE COURSES** (9 units, grades D or higher)

\*Emphasis course options may be used as elective options but these courses cannot be double-dipped. Talk with your advisor about the best options for your future plans.

Course Number and Title	Units	Semester Typically Offered	Notes	Semester/Year	Grade
<b>HPS 300</b> Public Health in the 21 <sup>st</sup> Century	3	Fall			
<b>HPS 306</b> Drugs and Society	3	Fall, Spring			
<b>HPS 313</b> Health and Medicine in Classic Antiquity	3	Spring			
<b>PHP 322</b> Health Education and Ethical Leadership	3	Spring			
<b>HPS 330</b> Human Sexuality	3	Fall, Spring, Summer			
<b>HPS 408</b> Disabilities in Public Health	3	Spring			
<b>HPS 425</b> Latino Health Disparities	3	Fall			
<b>HPS 438A</b> Women's Health in the Global Perspective	3	Fall			
<b>HPS 444</b> Rethinking Race and Health in the United States	3	Fall			
<b>HPS 449</b> Family Violence	3	Fall			
<b>HPS 459</b> Special Topics in Public Health	3	Fall, Spring			
<b>HPS 487</b> Feminist Interpretations of Health	3	Fall, Summer			
<b>CPH 491</b> Preceptorship	1-3	Fall, Spring, Summer			
<b>CPH 492/399/499</b> Directed Research/Independent Study	1-3	Fall, Spring, Summer			
<b>HPS 493B</b> (Elective) Internship in Public Health	1-6	Fall, Spring, Summer			
<b>EPID 495</b> Special Topics in Epidemiology	3	Fall, Spring			
<b>HPS 497F</b> Community and School Garden Workshop	2-6	Fall, Spring			
<b>EPID 497S</b> Skin Cancer Prevention in the Community Setting	1-2	Fall, Spring			
<b>CPH 498H</b> Honors Thesis	3-6	Fall, Spring, Summer			

Notes: