

# Bachelor of Science in Public Health

## Environmental Public Health Specialization

### 2020-2021 Curriculum Guide

(including General Education, Admissions requirements, and Major coursework)

Course	Credits	Course	Credits
<b>General Education (GE) Requirements</b> Students should refer to GE guide for GE course selection		<b>Interdisciplinary Specialization Courses I (16 credits)</b>	
English 1110.0X	3	Chemistry 1210 General Chemistry I	5
Level 2 Writing- Any 2367 Course	3	Chemistry 1220 General Chemistry II	5
Literature	3	Chemistry 2510 Organic Chemistry Lecture	4
Visual and Performing Arts	3	Chemistry 2540 Organic Chemistry Lab	2
Math 1148/1149 or 1150	5-7	<b>Interdisciplinary Specialization Courses II (9-10 credits)</b> Select at least 3 of the following courses:	
Statistics 1350 or 1450	3	EARTHSC 2203 Environmental Geoscience	3
Biology 1113	4	EARTHSC 2204 Exploring Water Issues	3
Microbiology 4000.01	4	EARTHSC 3203 Basic Science, Research for Society	3
Physics 1200	5	EARTHSC 3411 Water Security for the 21 <sup>st</sup> century	3
Historical Study	3	EARTHSC 5203 SP Geo-Environment & Human Health	3
Culture & Ideas or other Historical Study	3	EARTHSC 5663 Global Change & Sustainability Earth Systems (AU)	4
Sociology 1101	3	<b>Interdisciplinary Specialization Courses III (8-9 credits)</b> Select at least 3 of the following courses:	
2nd Social Science (from Social Science subcategory A or C)	3	PUBHEPI 3411 PH Field Investigation (frmly 5411)	3
Foreign Language through 1103 or credit by exam	12	PUBHEPI 5412 Global Epi of Infectious Diseases (SP)	3
Social Diversity in the United States (Sociology 1101)	-	PUBHEPI 5438 Cardiovascular Disease Epidemiology	3
Global Studies (Intended to overlap with other GE courses)	0-6	PUBHEHS 3320 Fundamentals of Environmental Health Risk Assessment (SP)	3
Math 1151 (fulfills GE Open Option)	5	PUBHEHS 4530 Food Safety & Public Health (SP)	3
Biology 1114 (fulfills GE Open Option)	4	PUBHEHS 4325 Climate Change & Human Health ( <i>frmly 5320</i> )	3
<b>GE Total Hours</b>	<b>66-74</b>	PUBHEHS 5315 Principles of Toxicology (SP)	3
PUBHLTH 1100 Survey of Public Health	1	PUBHEHS 5325 Principles of Occupational Health Science	3
<b>BSPH Major Admission Requirements (all courses overlap with GE requirements):</b> English 1110.0X Math 1148/1149 or 1150 or higher Biology 1113 Sociology 1101 Minimum 2.80 cumulative GPA, C or higher in all prerequisite courses, Completion of 30 credit hours		<b>Capstone Experience (3-4 credits)</b>	
		All students must take Public Health 3180 or 3180E (Undergraduate Capstone Preparation)	1
		<b>And then choose one of the following:</b>	
		PUBHLTH 3189.03 or 3189.03E Field Experience (Education abroad)	2-3
		PUBHLTH 3191 Internship or 3191E Honors Internship	
		PUBHLTH 3999 Undergraduate Capstone Research	
		PUBHLTH 4999 Undergraduate Research Thesis or 4999.01H Senior Honors Thesis	
<b>Major Requirements C- or higher required in all major courses</b>		<b>Major Elective credits</b> 6	
<b>Public Health Foundation Courses (18 credits)</b>		Select six credits from interdisciplinary specialization courses not already used. Other approved courses that fulfill Major Electives:	
PUBHLTH 2010 Critical Issues in Global Public Health	3	EARTHSC 5651 Hydrogeology (4)	
PUBHBIO 2210 or 2210(H) Biostatistics for PH Research	3	ENR 2100 Intro to Environmental Science (3)	
PUBHEHS 3310 Current Issues Global Environmental Health	3	ENR 3000 Soil Science (3)	
PUBHHBP 3510 Role of Behavior in Public Health	3	GEOG 2800 Our Global Environment (3)	
PUBHEPI 2410 Epidemiology in Public Health	3	GEOG 5220 Fundamentals of GIS (3)	
PUBHHMP 3610 U.S. & International Health Care	3	PUBHLTH 5015 Public Health Data Analytics (3)	
		PUBHEHS 4330 Environmental Epigenetics (3)	
		PUBHLTH 3998 Undergraduate Public Health Research Sem. (2)	
		<b>Total Minimum Credits: 126</b>	

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### Suggested 4 year plan

<b>Autumn 1</b>		<b>Hours</b>	<b>Spring 1</b>		<b>Hours</b>
English 1110.0X	3		Math 1151	5	
Chemistry 1210	5		Chemistry 1220	5	
Math 1150	5		Biology 1113	4	
Sociology 1101	3		Visual and Performing Arts GE	3	
PUBHLTH 1100	1				
<b>Total Hours</b>	<b>17</b>		<b>Total Hours</b>	<b>17</b>	
<b>Autumn 2</b>			<b>Spring 2</b>		
Chemistry 2510	4		Chemistry 2540	2	
PUBHLTH 2010	3		PUBHEPI 2410	3	
Language 1 (1101)	4		2 <sup>nd</sup> Writing (any 2367 course)	3	
Statistics 1350 or 1450	3		Language 2 (1102)	4	
PUBHEHS 3310	3		PUBHBIO 2210 or 2210H	3	
<b>Total Hours</b>	<b>17</b>		<b>Total Hours</b>	<b>15</b>	
<b>Autumn 3</b>			<b>Spring 3</b>		
Biology 1114	4		PUBHHBP 3510	3	
Literature GE	3		Interdisciplinary Spec Course II	3	
PUBHHMP 3610	3		Historical Study GE	3	
Interdisciplinary Spec Course II	3		Physics 1200	5	
Language 3 (1103)	4		Interdisciplinary Spec Course II	3	
<b>Total Hours</b>	<b>17</b>		<b>Total Hours</b>	<b>17</b>	
<b>Autumn 4</b>			<b>Spring 4</b>		
Microbiology 4000.01	4		Capstone*	2-3	
Interdisciplinary Spec Course III	2-3		Culture & Ideas or Historical Study GE	3	
Major Elective	3		Interdisciplinary Spec Course III	2-3	
Public Health 3180 (capstone prep)	1		Interdisciplinary Spec Course III	3	
Other Social Science GE	3		Major Elective	3	
<b>Total Hours</b>	<b>13-14</b>		<b>Total Hours</b>	<b>13-15</b>	
				<b>Total Credit Hours</b>	<b>126</b>

\*Capstone can be selected from: Internship or Honors Internship, Field Experience (Education Abroad), Honors Thesis, or Undergraduate Research. If Field Experience is selected, students may need to enroll in a summer term.

*Special Note - 2 GE courses must also have Global Studies designation (▲). All GE courses found on the GE guide*

#### **Office of Academic Programs and Student Services**

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