



**Bachelor of Science in Public Health**

**Environmental Public Health Specialization (incorporating Pre-Medicine Prerequisites)**

2019-2020 Curriculum Guide including General Education (GE), Admissions requirements, Major coursework, and Pre-Medicine prerequisites		Major requirements <i>C- or higher required in all major courses</i>		
Course	Hours	Course	Hours	
<b>General Education (GE) Requirements</b> Students should refer to GE guide for GE course selection		<b>Public Health Core Courses (18 credits)</b>		
		PUBHLTH 2010 Introduction to Global Public Health	3	
English 1110.OX	3	PUBHBIO 2210 or 2210H Biostatistics for Pub Health Res	3	
Level 2 Writing- Any 2367 Course	3	PUBHEPI 2410 Introduction to Epidemiology	3	
Literature	3	PUBHEHS 3310 Global Environmental Health	3	
Visual and Performing Arts	3	PUBHHBP 3510 Role of Behavior in Public Health	3	
Math 1151	5	PUBHHMP 4650/3610 US and International Health Care	3	
Statistics 1350 or 1450	3	<b>Interdisciplinary Specialization Courses I (16 credits)</b>		
Biology 1113	4	Chemistry 1210 General Chemistry I	5	
Microbiology 4000.01	4	Chemistry 1220 General Chemistry II	5	
Physics 1200	5	Chemistry 2510 Organic Chemistry Lecture	4	
Historical Study	3	Chemistry 2540 Organic Chemistry Lab	2	
Culture & Ideas or other Historical Study	3	<b>Interdisciplinary Specialization Courses II (9 credits)</b> <b>Select at least 3 of the following courses:</b>		
Sociology 1101	3	Earth Science 2203 AU/SP Environmental Geoscience	3	
2nd Social Science (from Social Science subcategory A or C)	3	Earth Science 2204 AU/SP Exploring Water Issues	3	
Foreign Language through 1103 or credit by exam	12	Earth Science 3203 Basic Science & Implications for Society	3	
Social Diversity in the United States (Sociology 1101)	-	Earth Science 3411 Water Security for the 21 <sup>st</sup> century	3	
Global Studies (Intended to overlap with other GE courses)	0-6	Earth Science 5203 SP Geo-Environment & Human Health	3	
GE Open Options (Select Physics 1201 & Biology 1114)	9	<b>Interdisciplinary Specialization Courses III (8-9 credits)</b> <b>Select at least 3 of the following courses:</b>		
<b>GE Total Hours</b>	<b>66-72</b>	PUBHEPI 5411 AU Outbreak Investigations	3	
PUBHLTH 1100 Survey of Public Health	1	PUBHEPI 5412 Infectious Diseases Developing World	3	
<b>BSPH Major Admission Requirements (all courses overlap with GE requirements):</b> English 1110.OX, Math 1148/1149 or 1150 or higher, Biology 1113, Sociology 1101, Minimum 2.80 cumulative GPA, C or higher in all prerequisite courses and completion of 30 credit hours		PUBHEPI 5438 Cardiovascular Disease Epidemiology	3	
		PUBHEHS 3320 Fundamentals of Env Health Risk Assmnt	3	
		PUBHEHS 4530 SP Food Safety & Public Health	2	
		PUBHEHS 5315 SP Principles of Toxicology	3	
		PUBHEHS 5320 Climate Change & Human Health	3	
		PUBHEHS 5325 AU Principles of Occupational Health	3	
		<b>Capstone Experience (3-4 credits)</b>		
		Public Health 3180 or 3180E (Undergraduate Capstone Prep)	1	
<b>Additional Pre-Medicine prerequisites that do not overlap with the BSPH GE courses or the BSPH major: (10 credits)</b> Chemistry 2520 Organic Chemistry II 4 Chemistry 2550 Organic Chemistry Lab II 2 Biochemistry 4511 4		<b>And then choose one of the following:</b>		
		<i>PUBHLTH 3189.03, .04 or 3189.03E, 3189.04E Field Experience (Education Abroad)</i>		2-3
		<i>PUBHLTH 3191 or 3191E Internship or Honors Internship</i>		
		<i>PUBHLTH 3999 Undergraduate Capstone Research</i>		
		<i>PUBHLTH 4999 Undergraduate Research Thesis or 4999.01H Senior Honors Thesis</i>		
		<b>Major Electives</b> Select six credits from interdisciplinary specialization courses not already used. Other approved alternatives listed below: Earth Sci 5651 Hydrogeology (3)      PUBHLTH 5015 Public Health Data Analytics (3) ENR 2100 Intro to Env Sci (3)      PUBHEHS 5330 Environmental Epigenetics (3) ENR 3000 Soil Science (3)      Geography 2800 Our Global Environment (3) Geog 5220 Fundamentals of GIS(3) PUBHLTH 3998 Undergrad Public Health Research Sem. (2)	6 credits	
		<b>Total Minimum Credits</b>	<b>137</b>	

## Bachelor of Science in Public Health - Environmental Public Health Specialization

### Incorporating Pre-Medicine prerequisites

Autumn 1	Hours	Spring 1	Hours
English 1110.OX	3	Language 1 (1101)	4
Chemistry 1210	5	Chemistry 1220	5
Math 1151	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>16</b>
Autumn 2	Hours	Spring 2	Hours
Chemistry 2510	4	Chemistry 2520	4
Chemistry 2540	2	Chemistry 2550	2
PUBHLTH 2010	3	PUBHEPI 2410	3
Language 2 (1102)	4	Language 3 (1103)	4
Statistics 1350 or 1450	3	PUBHBIO 2210 or 2210H	3
2 <sup>nd</sup> Writing (any 2367 course)	3	GE Literature	3
<b>Total Hours</b>	<b>19<sup>^</sup></b>	<b>Total Hours</b>	<b>19<sup>^</sup></b>
Autumn 3	Hours	Spring 3	Hours
Physics 1200	5	PUBHHBP 3510	3
PUBHHMP 4650/3610	3	Interdisciplinary Spec. II	3
Biochemistry 4511	4	Historical Study GE	3
PUBHEHS 3310	3	Physics 1201	5
<b>Total Hours</b>	<b>15</b>	Microbiology 4000.01	4
		<b>Total Hours</b>	<b>18</b>
Autumn 4	Hours	Spring 4	Hours
Biology 1114	4	Interdisciplinary Spec. III	2-3
Other Social Science GE	3	Major Elective	3
Major Elective	3	Interdisciplinary Spec. II	3
Interdisciplinary Spec. III	3	Interdisciplinary Spec. II	3
Cultures & Ideas or Historical Study GE	3	Capstone**	2-3
PUBHLTH 3180	1	Interdisciplinary Spec. III	3
<b>Total Hours</b>	<b>17</b>	<b>Total Hours</b>	<b>16-18</b>
		<b>Total Credit Hours</b>	<b>137-138</b>

<sup>^</sup>will require Overload petition

\*\*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 (▲) Refer to GE sheet to help determine courses to fulfill the requirements*

**Office of Academic Programs and Student Services**

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