

**2023-2024 Bachelor of Science in Public Health - Environmental Public Health Specialization/MPH-  
Environmental Health Sciences with new ODHE rules**

<b>Undergraduate courses</b>		<b>Course</b>	<b>Credit Hrs</b>
<b>General Education (GE) Requirements</b> Students should refer to GE guide for specific GE requirements		PHYSICS 1200 Mechanics, Kinematics, Fluids, Waves	5
<b>General Education Foundation Courses (24 Credit Hrs)</b>		<b>Interdisciplinary Environmental Public Health Specialization Courses (21-22 Credit Hrs)</b>	
Writing and Information Literacy (English 1110.XX)	3	EARTHSCI 2203 Environmental Geoscience	3
Mathematical and Quantitative Reasoning (Math 1151 or higher)	5	EARTHSCI 3411 Water Security for the 21 <sup>st</sup> Century (SP)	3
		PUBHEHS 3320 Fundamentals of Env Hlth Risk Assmt (SP)	3
Literary, Visual and Performing Arts	3	PUBHEHS 4530 Food Safety & Public Health (SP)	3
Historical and Cultural Studies	3	PUBHEHS 5340 Air Contaminants & Public Health (SP)	3
Natural Science (Biology 1113 recommended)	4	PUBHEPI 3411 PH Field Investigation (formerly 5411)	3
Social and Behavioral Sciences	3	<b>Select one course from the following (Credit Hrs counted above)</b>	
Race, Ethnic and Gender Diversity	3	EARTHSCI 5203 Geo-Environment & Human Health	3
<b>GE Themes (9 Credit Hrs)</b>		EARTHSCI 5663 Global Change & Sustainability in ES	4
Theme 1: (Required) Citizenship for a Diverse and Just World (select two courses)	6	PUBHEHS 4330 Environmental Epigenetics	3
		<b>Selectives (select from list on page 3) 9 Credit Hrs</b>	
Theme 2: Theme of your choice (select one course)	3*	<b>Capstone (3-4 Credit Hrs)</b>	
*Students can overlap one approved Public Health Foundation Course for the Health and Well-Being Theme (PUBHLTH 2010, PUBHEPI 2410, PUBHHBP 3510, PUBHHMP 3610) or the Lived Environment (PUBHEHS 3310) Theme.		All students must take Public Health 3180 or 3180E (Capstone Preparation course) and then choose one of the following:	1
<b>GE Bookends (2 Credit Hrs)</b>		PUBHLTH 3191/3191E Internship/Honors Internship or Approved Ed Abroad or 3999 or 4999/4999.01H	2-3
GENED 1201 (Launch Seminar)	1	<b>Total hours of overlap between both degrees (9 Credit Hrs)</b>	
GENED 4001 (Reflection Seminar)	1	<b>Total hours of overlap between both degrees (9 Credit Hrs)</b>	
<b>First Year Survey Course (1 Credit Hrs)</b>		PUBHLTH 6001 Methods in Quantitative Data Analysis	4
PUBHLTH 1100 Survey of Public Health	1	PUBHLTH 6002 History, Values & Essential Services of the U.S. Public Health System	2
<b>Eligibility for the Combined Degree BSPH/MPH requires prior admission to the BSPH major</b>		PUBHEHS 5325 Principles of Occupational Health Science	3
<b>Major Requirements C- or higher required in all major courses</b>		<b>Graduate Courses unique to graduate degree (36 Credit Hrs)</b>	
<b>Required Public Health Foundation Courses (18 Credit Hrs)</b> *One of these foundation courses can overlap with GE Theme*		PUBHEHS 5335 Ecology of Infectious Diseases	3
PUBHBIO 2210 or 2210(H) Biostatistics for PH Research	3	PUBHEHS 5315 Principles of Toxicology	3
*PUBHEHS 3310 Current Issues in Global Env Health	3	PUBHLTH 6003 Methods in Public Health Planning & Eval	2
*PUBHLTH 2010 Critical Issues in Global Public Health	3	PUBHLTH 6004 Essentials of Population Health	4
*PUBHHBP 3510 Role of Behavior in Public Health	3	PUBHEHS 6310 Principles of Environmental Health Science	3
*PUBHEPI 2410 Epidemiology in Public Health	3	PUBHEHS 6320 Global Health & Environmental Microbio	3
*PUBHHMP 3610 U.S. & International Health Care	3	PUBHEHS 6390 Major Human Diseases in Global PH	3
<b>Required Interdisciplinary Specialization Courses (25 Credit Hrs)</b>		PUBHEHS 7365 Principles of Risk Assessment	3
CHEM 1210 General Chemistry I	5	PUBHEHS 7380 Exposure Science Monitoring Techniques	3
CHEM 1220 General Chemistry II	5	ENVSCI 7899 Seminar in Environmental Health Sciences	1
CHEM 2510 Organic Chemistry I	4	MPH EHS approved elective	3
CHEM 2540 Organic Chemistry Lab	2	PUBHLTH 7189 Applied Practice Experience	2
MICROBIOLOGY 4000.01 Basic & Practical Microbiology	4	PUBHLTH 7998 Integrative Learning Experience	3
<b>Undergraduate and Graduate total minimum Credit Hrs</b>			<b>157</b>

## Bachelor of Science in Public Health - Environmental Public Health Specialization/ MPH-Environmental Health Sciences Sample 5 year plan

Autumn 1	Credit Hrs	Spring 1	Credit Hrs	Summer 1	Credit Hrs
English 1110.0X	3	Chemistry 1220	5		
Chemistry 1210	5	Biology 1113	4		
Math 1151	5	PUBHLTH 2010	3		
GENED 1201	1	PUBHEHS 3310	3		
PUBHLTH 1100	1	Social and Behavioral Sciences GE	3		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>18</b>		
Autumn 2	Credit Hrs	Spring 2	Credit Hrs	Summer 2	Credit Hrs
Chemistry 2510	4	PUBHHMP 3610	3		
PUBHHBP 3510	3	PUBHEHS 3320	3		
Historical and Cultural Studies GE	3	CHEM 2540	2		
PHYSICS 1200	5	PUBHBIO 2210 or 2210H	3		
Literary, Visual and Performing Arts GE	3	BSPH-EPH Selective	3		
		GE Theme course	3		
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>17</b>		
Autumn 3	Credit Hrs	Spring 3	Credit Hrs	Summer 3	Credit Hrs
MICROBIOLOGY 4000.01	4	EARTHSCI 3411	3	BSPH Capstone	2
PUBHEPI 2410	3	PUBHEHS 4330 or EARTHSCI 5203 or 5663	3-4		
Race, Ethnic and Gender Diversity GE	3	GE THEME COURSE: Citizenship for a Diverse and Just World	3		
EARTHSCI 2203	3	PUBHLTH 3180 (Capstone Prep)	1		
PUBHEPI 3411	3	PUBHEHS 4530	3		
		PUBHEHS 5340	3		
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16-17</b>	<b>Total</b>	<b>2</b>
Autumn 4	Credit Hrs	Spring 4	Credit Hrs	Summer 4	Credit Hrs
<b>PUBHEHS 6310 (G Credit Hrs only)</b>	<b>3</b>	<b>PUBHLTH 6003 Methods (G Credit Hrs only)</b>	<b>2</b>	PUBHLTH 7189 Applied Practice Experience	<b>2</b>
<b>PUBHLTH 6001 Methods (U/G overlap)</b>	<b>4</b>	<b>PUBHLTH 6004 Foundations (G Credit Hrs only)</b>	<b>4</b>		
BSPH-EPH Selective (U Credit Hrs only)	3	<b>PUBHEHS 5335 Ecology of Inf Dis (G Credit Hrs only)</b>	<b>3</b>		
<b>PUBHLTH 6002 Foundations (U/G overlap)</b>	<b>2</b>	<b>PUBHEHS 5315 Principles of Toxicology (G Credit Hrs only)</b>	<b>3</b>		
GE Theme course (U Credit Hrs only)	3	<b>ENVSCI 7899 Seminar (G Credit Hrs only)</b>	<b>1</b>		
<b>PUBHEHS 5325 Occ Health Science (U/G overlap)</b>	<b>3</b>	GENED 4001 (U Credit Hrs only)	1		
		BSPH-EPH Selective (U Credit Hrs only)	3		
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>17</b>	<b>Total</b>	<b>2</b>
Autumn 5	Credit Hrs	Spring 5	Credit Hrs		
PUBHEHS 7380 Exp Sci Monitor	3	MPH EHS approved elective	3		
PUBHEHS 6390 Major Human Diseases	3	PUBHEHS 7365 Risk Assessment	3		
PUBHEHS 6320 (Microbiology)	3	PUBHLTH 7998 Integrative Learning Exp	3		
<b>Total</b>	<b>9</b>	<b>Total</b>	<b>9</b>		

**Selective Options:**

EARTHSC 2204 Exploring Water Issues (3)  
EARTHSC 4450 Water, Ice, & Energy in the Earth System (3)  
EARTHSC 5203 Geo-Environment & Human Health (3)  
EARTHSC 5651 Hydrogeology (4)  
EARTHSC 5663 Global Change & Sustainability in Earth Sys (4)  
PUBHLTH 3998 Undergraduate Public Health Research (2)  
PUBHLTH 5015 Public Health Data Analytics (3)  
PUBHEHS 3330 Global Pandemics and Public Health (3)  
PUBHEHS 4325 Climate Change and Human Health (3)  
PUBHEHS 4330 Environmental Epigenetics (3)  
PUBHEHS 4340 Molecular Techniques for Environmental Health Sciences (3)  
PUBHEHS 5325 Princ of Occupational Health Science (3)  
PUBHEHS 5395 Engineering Design Environmental Health (3)  
PUBHEPI 5412 Infectious Disease Epidemiology (3)  
ENR 2100 Intro to Environmental Science (3)  
ENR 3000 Soil Science (3)  
GEOG 2800 Our Global Environment (3)  
GEOG 5210 Fundamentals of GIS (3)  
VETPREV 5721 How Animals Can Make You Sick (3)