

Bachelor of Science in Public Health/Master of Public Health Environmental Public Health Specialization/Environmental Health Sciences

Course	Credit Hours
General Education (GE) Requirements Students should refer to GE guide for specific GE requirements	
General Education Foundation Courses (24-26 credit hours)	
Writing and Information Literacy (ENGLISH 1110.XX)	3
Mathematical and Quantitative Reasoning (MATH 1148 & 1149 or 1150 rec to overlap)	5-7
Literary, Visual and Performing Arts	3
Historical and Cultural Studies	3
Natural Science (A GE Biology course is recommended)	4
Social and Behavioral Sciences	3
Race, Ethnic and Gender Diversity	3

GE Themes (9-12 credit hours)	
Theme 1: (Required) Citizenship for a Diverse and Just World (select two courses)	6
Theme 2: Theme of your choice (select one course)	3*
*Students can overlap one approved Public Health Foundation Course to fulfill requirements for the Health and Well-Being Theme (PUBHLTH 2010, PUBHEPI 2410, PUBHHBP 3510, PUBHHMP 3610) or the Lived Environment (PUBHEHS 3310) Theme.	

GE Bookends (2 credit hours)	
GENED 1201 (Launch Seminar)	1
GENED 4001 (Reflection Seminar)	1

First Year Survey Course (1 credit hour)	
PUBHLTH 1100 Survey of Public Health	1

BSPH Major Admission Requirements	
MATH 1148 & 1149 or MATH 1150 with a C grade or higher, minimum 2.50 cumulative GPA and completion of 15 credit hours	

Major Requirements C- or higher required in all major courses	
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Required Public Health Foundation Courses (18 credit hours)	
PUBHBIO 2210 or 2210(H) Biostatistics for Public Health Research	3
**PUBHEHS 3310 Current Issues in Global Environmental Health	3
**PUBHLTH 2010 Critical Issues in Global Public Health	3
**PUBHHBP 3510 Role of Behavior in Public Health	3
**PUBHEPI 2410 Epidemiology in Public Health	3
**PUBHHMP 3610 U.S. & International Health Care	3

Required Interdisciplinary Specialization Courses (25 credit hours)	
CHEM 1210 General Chemistry I	5
CHEM 1220 General Chemistry II	5
CHEM 2510 Organic Chemistry I	4
CHEM 2540 Organic Chemistry Lab I	2
MICROBIOLOGY 4000.01 or 4000.02 Basic and Practical Microbiology	4
PHYSICS 1200 Mechanics, Kinematics, Fluids, Waves	5

Interdisciplinary Environmental Public Health Specialization Courses (21-22 credit hours)	
EARTHSCI 2203 Environmental Geoscience	3
EARTHSCI 3411 Water Security for the 21st Century (SP)	3
PUBHEHS 3320 Fundamentals of Environmental Health Risk Assessment (SP)	3
PUBHEHS 4530 Food Safety & Public Health (SP)	3
PUBHEHS 5340 Air Contaminants & Public Health (SP)	3
PUBHEPI 3411 Public Health Field Investigation	3
Select one course from the following (credit hours included above)	
EARTHSCI 5203 Geo-Environment & Human Health	3
EARTHSCI 5663 Global Change & Sustainability in the Earth System	4
PUBHEHS 4330 Environmental Epigenetics	3

2024-2025 Curriculum Guide

(including General Education, Admissions requirements and Major requirements)

Course	Credit Hours
Selectives (9 credit hours)	
Select courses from the list below (courses cannot overlap with Interdisciplinary Environmental Public Health requirements)	
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 the Earth System	4
ENR 2100 Introduction to Environmental Science	3
ENR 3000 Soil Science	3
GEOG 2800 Our Global Environment	3
GEOG 5210 Fundamentals of GIS	3
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 EHS	3
PUBHEHS 5395 Engineering Design Environmental Health	3
PUBHEPI 5412 Infectious Disease Epidemiology	3
VETPREV 5721 How Animals Can Make You Sick	3

Capstone (3-4 credit hours)	
PUBHLTH 3180 or 3180E (Capstone Preparation course, required of all students)	1

Select one Capstone Course:	
PUBHLTH 3191/3191E Internship/Honors Internship	2
EARTHSCI 5797.20 Exploring Environmental and Human Health Issues in	3
PUBHLTH 3999 Undergraduate Capstone Research	2
PUBHLTH 4999/4999.01H Research Thesis	2

Overlap of credit hours between Bachelor's and Master's Degree (9 credit hours) Students do not take PUBHEHS 5315 or 5335 at the undergraduate level	
PUBHLTH 6001 Methods in Quantitative Data Analysis	4
PUBHLTH 6002 History, Values & Essential Services of U.S. PH System	2
PUBHEHS 5325 Principles of Occupational Health Science	3

Graduate courses unique to the MPH degree (36 credit hours)	
PUBHLTH 6003 Methods in Public Health Planning & Evaluation	2
PUBHLTH 6004 Essentials of Population Health	4
PUBHEHS 5315 Principles of Toxicology (SP)	3
PUBHEHS 5335 Ecology of Infectious Diseases (SP)	3
PUBHEHS 6310 Principles of Environmental Health Science	3
PUBHEHS 6320 Global Health and Environmental Microbiology	3
PUBHEHS 6390 Major Human Diseases in Global Public Health	3
PUBHEHS 7365 Principles of Risk Assessment	3
PUBHEHS 7380 Exposure Science Monitoring Techniques I	3
ENVSCI 7899 Seminar in Environmental Health Sciences	1
MPH-EHS Approved Elective	3
PUBHLTH 7189 Applied Practice Experience	2
PUBHLTH 7998 Integrative Learning Experience for Public Health	3
Total Credit Hours	157-164

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Bachelor of Science in Public Health Environmental Public Health Specialization/Master of Public Health-Environmental Health Sciences
5 year plan

Autumn 1	Credit Hours
ENGLISH 1110.OX	3
MATH 1148 or 1150 (4 or 5 credits)	5
Historical and Cultural Studies GE	3
PUBHLTH 1100	1
PUBHLTH 2010	3
GENED 1201 (Launch Seminar)	1
Total Hours	16

Spring 1	Credit Hours
CHEM 1210	5
PUBHEHS 3310	3
MATH 1149 (if 1148 was taken) or SELECTIVE	3
GE Natural Science (Biology GE recommended)	4
PUBHEPI 2410	3
Total Hours	18

Autumn 2	Credit Hours
PUBHHMP 3610	3
CHEM 1220	5
PUBHHBP 3510	3
PHYSICS 1200	5
Total Hours	16

Spring 2	Credit Hours
CHEM 2510	4
CHEM 2540	2
PUBHBIO 2210 or 2210H	3
EARTHSCI 3411	3
SELECTIVE (if not taken in year 1)	0-3
Social and Behavioral Science GE	3
Total Hours	15-18

Autumn 3	Credit Hours
MICROBIOLOGY 4000.01 or .02	4
Race, Ethnic and Gender Diversity GE	3
EARTHSCI 2203	3
PUBHEPI 3411	3
Select one of three Interdisciplinary EPH specialization courses	3
Total Hours	16

Spring 3	Credit Hours	Summer 3	Credit Hours
PUBHEHS 5340	3	BSPH Capstone	2
Literary, Visual & Performing Arts GE	3		
PUBHEHS 3320	3		
PUBHEHS 4530	3		
	1		
PUBHLTH 3180			
GE THEME COURSE	3	Total Hours	2
Total Hours	16		

Autumn 4	Credit Hours
PUBHEHS 5325 (U/G OVERLAP)	3
SELECTIVE (U)	3
PUBHEHS 6310 (G)	3
GE THEME COURSE: Citizenship for a Diverse and Just World (U)	3
PUBHLTH 6001 (U/G OVERLAP)	4
PUBHLTH 6002 (U/G OVERLAP)	2
Total Hours	18

Spring 4	Credit Hours	Summer 4	Credit Hours
SELECTIVE (U)	3	PUBHLTH 7189	2
GENED 4001 (U)	1		
PUBHLTH 6003 (G)	2		
PUBHLTH 6004 (G)	4		
GE THEME COURSE: Citizenship for a Diverse and Just World	3		
PUBHEHS 5315 (G)	3		
ENVSCI 7899 (G)	1	Total Hours	2
Total Hours	17		

Autumn 5^	Credit Hours
PUBHEHS 7380	3
PUBHEHS 6390	3
	3
PUBHEHS 6320	3
MPH-EHS Approved Elective	3
Total Hours	12

Spring 5^	Credit Hours	Key
PUBHEHS 5335	3	U= undergraduate only
PUBHEHS 7365	3	G= graduate only
	3	U/G=undergraduate/graduate credit
PUBHLTH 7998	3	
		^All courses in Year 5 are graduate credit only
Total Hours	9	
Total Credit Hours	157	