

Bachelor of Science in Public Health

2023-2024 Curriculum Guide (including General Education, Admissions requirements and Major requirements)

Environmental Public Health Specialization incorporating Pre-Medicine prerequisites

Course	Credit Hours	Course	Credit Hours
General Education (GE) Requirements Students should refer to GE guide for specific GE requirements		EARTHSCI 2203 Environmental Geoscience	3
General Education Foundation Courses (24 credit hours)		EARTHSCI 3411 Water Security 21 st Century (SP)	3
Writing and Information Literacy (English 1110.XX)	3	PUBHEHS 3320 Fund of Env Hlth Risk Assmt (SP)	3
Mathematical and Quantitative Reasoning (Math 1151 or higher)	5	PUBHEHS 4530 Food Safety & Public Health (SP)	3
Literary, Visual and Performing Arts	3	PUBHEHS 5315 Principles of Toxicology (SP)	3
Historical and Cultural Studies	3	PUBHEHS 5335 Ecology of Infectious Diseases (SP)	3
Natural Science (Biology 1113 recommended)	4	PUBHEHS 5340 Air Contaminants & PH (SP)	3
Social and Behavioral Sciences	3	PUBHEPI 3411 PH Field Investigation (frmlly 5411)	3
Race, Ethnic and Gender Diversity	3	Select one course from the following (credit hours included above)	
GE Themes (9-12 credit hours)		EARTHSCI 5203 Geo-Environment & Human Health	3
Theme 1: (Required) Citizenship for a Diverse and Just World (select two courses)	6	EARTHSCI 5663 Global Change & Sustainability in ES	4
Theme 2: Theme of your choice (select one course)	3*	PUBHEHS 4330 Environmental Epigenetics	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.		Selectives (9-12 credit hours) Select from courses listed below or other EPH applicable course(s) with EHS faculty approval:	
GE Bookends (2 credit hours)		EARTHSC 2204 Exploring Water Issues (3)	
GENED 1201 (Launch Seminar)	1	EARTHSC 4450 Water, Ice, & Energy in the Earth System (3)	
GENED 4001 (Reflection Seminar)	1	EARTHSC 5203 Geo-Environment & Human Health (3)	
First Year Survey Course (1 credit hour)		EARTHSC 5651 Hydrogeology (4)	
PUBHLTH 1100 Survey of Public Health	1	EARTHSC 5663 Global Change & Sustainability in Earth Sys (4)	
BSPH Major Admission Requirements English 1110.OX, Math 1151, Biology 1113 Minimum 2.80 cumulative GPA, C or higher in all prerequisite courses, Completion of 30 credit hours		PUBHLTH 3998 Undergraduate Public Health Research (2)	
Major Requirements C- or higher required in all major courses		PUBHLTH 5015 Public Health Data Analytics (3)	
Required Public Health Foundation Courses (18 credit hours) **One of these foundation courses can overlap with GE Theme**		PUBHEHS 3330 Global Pandemics and Public Health (3)	
PUBHBIO 2210 or 2210(H) Biostatistics for PH Research	3	PUBHEHS 4325 Climate Change and Human Health (3)	
**PUBHEHS 3310 Current Issues in Global Env Health	3	PUBHEHS 4330 Environmental Epigenetics (3)	
**PUBHLTH 2010 Critical Issues in Global Public Health	3	PUBHEHS 4340 Molecular Techniques for EHS (3)	
**PUBHHBP 3510 Role of Behavior in Public Health	3	PUBHEHS 5325 Principles of Occupational Health Science (3)	
**PUBHEPI 2410 Epidemiology in Public Health	3	PUBHEHS 5395 Engineering Design Environmental Health (3)	
**PUBHHMP 3610 U.S. & International Health Care	3	PUBHEPI 5412 Infectious Disease Epidemiology (3)	
Required Interdisciplinary Specialization Courses (25 credit hours)		ENR 2100 Intro to Environmental Science (3)	
CHEM 1210 General Chemistry I	5	ENR 3000 Soil Science (3)	
CHEM 1220 General Chemistry II	5	GEOG 2800 Our Global Environment (3)	
CHEM 2510 Organic Chemistry I	4	GEOG 5210 Fundamentals of GIS (3)	
CHEM 2540 Organic Chemistry Lab I	2	VETPREV 5721 How Animals Can Make You Sick (3)	
MICROBIO 4000.01 or .02 Basic & Practical Microbiology	4	Capstone (3-4 credit hours)	
PHYSICS 1200 Mechanics, Kinematics, Fluids, Waves	5	Public Health 3180 or 3180E (Capstone Preparation course, required of all students)	1
Interdisciplinary Environmental Public Health Specialization Courses (27-28 credit hours)		Then Select one Capstone Course:	
		PUBHLTH 3191/3191E Internship/Honors Internship	2-3
		EARTHSCI 5797.02 or pre-approved Education Abroad	2-3
		PUBHLTH 3999 Undergraduate Capstone Research	2
		PUBHLTH 4999/4999.01H Research Thesis	2
		Pre-Medicine prerequisites that do not overlap with the GE or major (19 credit hours)	
		Biology 1114 (4), Chemistry 2520 (4), Chemistry 2550 (2), Biochemistry 4511 (4), Physics 1201 (5)	
Total Minimum Credit Hours			140

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 Suggested 4 year plan**

Autumn 1		Credit Hours	Spring 1		Credit Hours
GENED 1201 (Launch Seminar)		1	CHEM 1220		5
ENGLISH 1110.0X		3	PUBHEHS 3310		3
Math 1151		5	Historical and Cultural Studies GE		3
CHEM 1210		5	BIO 1113		4
PUBHLTH 1100		1	Literary, Visual & Performing Arts GE		3
PUBHLTH 2010		3			
Total Hours		18	Total Hours		18
Autumn 2			Spring 2		
PUBHHBP 3510		3	BIO 1114		4
PUBHHMP 3610		3	PHYSICS 1201		5
CHEM 2510		4	SELECTIVE		3
CHEM 2540		2	PUBHBIO 2210 or 2210H		3
PHYSICS 1200		5	PUBHEPI 2410		3
Total Hours		17	Total Hours		18
Autumn 3			Spring 3		
MICROBIOLOGY 4000.01 or .02		4	Chemistry 2520		4
BIOCHEM 4511		4	Chemistry 2550		2
Race, Ethnic and Gender Diversity GE		3	GE THEME COURSE: Citizenship for a Diverse and Just World		3
EARTHSCI 2203		3	PUBHEHS 3320		3
PUBHEPI 3411		3	PUBHEHS 4530		3
			Social and Behavioral Sciences GE		3
Total Hours		17	Total Hours		18
Autumn 4			Spring 4		
PUBHLTH 3180 (Capstone Prep)		1	Capstone Course		2-3
SELECTIVE		3	GENED 4001 (Reflection Seminar)		1
Select one of three Interdisciplinary EPH specialization courses		3	PUBHEHS 5340		3
			EARTHSCI 3411		3
SELECTIVE		3	PUBHEHS 5335		3
SELECTIVE		3	PUBHEHS 5315		3
GE THEME COURSE		3			
Total Hours		16	Total Hours		15-16
			Total Credit Hours		140

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