

## Combined (3+2) Curriculum Guide

### BSPH – Environmental Public Health / MPH – Environmental Health Sciences

General Education Requirements		
Requirement	Course Options	Credit Hours
GE Launch Seminar	<b>GENED 1201</b>	1
Writing and Information Literacy	<i>Student Choice</i>	3
Mathematical and Quantitative Reasoning	Specialization corequisite: <b>MATH 1148 &amp; 1149 or 1150*</b>	5-7
Literary, Visual and Performing Arts	<i>Student Choice</i>	3
Historical and Cultural Studies	<i>Student Choice</i>	3
Natural Sciences	Major corequisite: <b>BIOLOGY 1101 or 1110 or 1113.01 or 1113.02 or 1114*</b>	4-5
Social and Behavioral Sciences	<i>Student Choice</i>	3
Race, Ethnicity and Gender Diversity	<i>Student Choice</i>	3
Theme: <b>Citizenship for a Diverse and Just World</b>	<i>Student Choice<sup>a</sup></i>	4-6
Theme: <b>Student Choice</b>	<i>Student Choice<sup>a</sup></i>	4-6
GE Reflection	<b>GENED 4001</b>	1
<b>General Education Credit Hours:</b>		<b>34-41</b>

\*Indicates a corequisite course for this major that also satisfies this GE category. If a student makes an alternative selection in this GE category, they must also complete this course.

<sup>a</sup> Students must complete either a 4-credit course or two 3-credit courses in each of two General Education Theme areas. One course in each GE Theme area may double count in the GE and major hours. Major required courses that are also theme courses are identified with a ♦ symbol. Courses that can fulfill General Education requirements are listed at: <https://classes.osu.edu>

#### Major Prerequisite Course – must be completed with a grade of C or higher

Course/Requirement	Title	Credit Hours
PUBHLTH 2010 or 2010H ♦	Critical Issues in Global Public Health	3
<b>Major Prerequisite:</b>		<b>3</b>

#### Major Core Courses

Course/Requirement	Title	Credit Hours
PUBHLTH 1100 or 1100H	Survey of Public Health	1
PUBHBIO 2210 or 2210H (EL: Data Analysis)	Biostatistics for Public Health Research	3
PUBHEHS 3310 ♦	Current Issues in Global Environmental Health	3
PUBHEPI 2410 ♦	Epidemiology in Public Health	3
PUBHHBP 3510 ♦	Role of Behavior in Public Health	3
PUBHHMP 3610 ♦	U.S. and International Health Care	3
PUBHEPI 4410	Conceptual Foundations of Social Epidemiology (prereq: PUBHEPI 2410)	3
ENGLISH 3307 (EL: Adv. Writing)	Writing for Healthy Publics	3
PUBHLTH 3050	Public Health Perspectives on Disease (prereq: biology course)	3
PUBHLTH 3060 (EL: Technology)	Technology, Innovation, and Public Health	3
PUBHLTH 4060	US and International Health Policy (prereq: PUBHHMP 3610) [tentative title]	3
PUBHLTH 3180 or 3180E	Undergraduate Capstone Preparation	1
Capstone Experience (choose one)	PUBHLTH 3191/3191E Undergraduate Internship in Public Health PUBHLTH 3998 Undergraduate Capstone Research in Public Health (formerly 3999) PUBHLTH 4999 Undergraduate Research Thesis PUBHLTH 4999.01H Senior Honors Thesis PUBHLTH 3189.05 Field Experience in Global Public Health: Costa Rica EARTHSCI 5797.20 Exploring Environmental and Human Health Issues in Japan (3 cr) Other pre-approved (by CPH) Education Abroad Experience	2-3
<b>Major Core Requirements:</b>		<b>34-35</b>

#### Specialization Courses

Course/Requirement	Title	Credit Hours
EARTHSC 3411	Water Security for the 21 <sup>st</sup> Century (SP)	3
PUBHEHS 4530/FDSCTE 4536	Food Safety & Public Health (SP) (prereq: MICROBIO 4000 or 4100)	3
PUBHEHS 5335	Ecology of Infectious Diseases (SP) (prereq: one undergraduate Biology course)	3
PUBHEHS 5340	Air Contaminants & Public Health (SP)	3
<b>Specialization Requirements:</b>		<b>12</b>

### Specialization Supporting Courses

Course	Title	Credit Hours
CHEM 1210	General Chemistry I (prereq: C- or above in MATH 1148/1149 or 1150)	5
CHEM 1220	General Chemistry II (prereq: CHEM 1210, C- or above in Math 1148 or above)	5
CHEM 2510	Organic Chemistry I (prereq: CHEM 1220, C- or above in Math 1148 or above)	4
CHEM 2540	Organic Chemistry Lab I (prereq: CHEM 1220, C- or above in Math 1148 or above)	2
MICROBIOLOGY 4000.01 or 4000.02	Basic and Practical Microbiology (prereq: GE Natural Science Biology course)	4
PHYSICS 1200	Mechanics, Kinematics, Fluids, Waves (prereq: MATH 1148/1149 or 1150)	5
<b>Specialization Non-Major Requirements:</b>		<b>25</b>

### Overlap between BSPH and MPH

Students in the combined degree program take PUBHEHS 5315 at the graduate level and take PUBHEHS 6310 and 6320 to replace 6 credit hours of BSPH major electives.

Course/Requirement	Title	Credit Hours
PUBHEHS 5315	Principles of Toxicology (SP)	3
PUBHEHS 6310	Principles of Environmental Health Science	3
PUBHEHS 6320	Global Health and Environmental Microbiology	3
<b>Overlapping Credits:</b>		<b>9</b>

The Office of Academic Programs and Student Services will register students for these courses in order for them to double count between the BSPH and MPH degrees.

### Open Electives (Undergraduate)

Course/Requirement	Title	Credit Hours
Student Choice	Select desired courses to reach minimum 121 credit hours	0-4
<b>Total Minimum Credit Hours for Degree:</b>		<b>121</b>

### Graduate Courses Unique to the MPH – Environmental Health Science Specialization

Course/Requirement	Title	Credit Hours
PUBHTLH 6012	Applied Methods in Population Health	2
PUBHLTH 6013	Current Topics in Environmental Public Health	2
PUBHLTH 6014	Epidemiology through Disease Investigations	2
PUBHLTH 6015	Evaluating Public Health Programs	2
PUBHLTH 6016	Public Health and Healthcare Systems	2
PUBHEHS 5325	Principles of Occupational Health Science	3
PUBHEHS 6390	Major Human Diseases in Global Public Health	3
PUBHEHS 7365	Environmental and Human Health Risk Assessment	3
PUBHEHS 7380	Exposure Science Monitoring Techniques I	3
ENVSCI 7899	Current Issues in Environmental Sciences	1
MPH-EHS Electives	Choose courses from list of pre-approved courses to total a minimum of 6 credit hours	6
PUBHLTH 7189	Applied Practice Experience	2
PUBHLTH 7998	Integrative Learning Experience for Public Health	3
<b>Total Minimum Credit Hours unique for MPH Degree:</b>		<b>34</b>

### MPH-EHS Elective Options

Course	Title	Credit Hours
PUBHEHS 5330	Environmental Epigenetics	3
PUBHEHS 5345	Modeling Transmission & Control of Infectious Diseases	3
PUBHEHS 5350	Geospatial Artificial Intelligence in Public Health	3
PUBHEHS 5395	Engineering Design for Environmental Health	3
PUBHEHS 6325	Climate Change and Human Health	3
PUBHEHS 6340	Molecular Techniques for Environmental Health Sciences	3
PUBHEHS 6382	Environmental Health Analytical Chemistry	3
PUBHEHS 7193	Individual Studies in Environmental Health Sciences	1-4
PUBHEHS 7360	Water Contamination: Sources and Health Impact	3
PUBHEHS 7375	Quantitative Microbial Risk Analysis Modeling	3
PUBHEHS 7411	Environmental Epidemiology	3
PUBHLTH 6189.01 or .02	Field Experience in Public Health/Field Experience in Global Public Health	1-6
ENTMLGY 5605	Vector Biology and Vector Borne Diseases	3

**Policies and General Requirements for BSPH/MPH Degree**

- A minimum of 121 total credit hours. Remedial coursework (courses at the 10XX-level or below, and English 1109 and credit hours earned in repeated coursework do not count toward the 121 credit hour minimum requirement for the BSPH degree.
- A minimum of 30 credit hours earned through regular course enrollment at this University.
- A maximum of 8 hours of technical credit may be counted towards your degree requirements.
- A maximum of 4 credit hours of physical activity courses (all 1100-level KNSFHP courses except for 1102, 1103, 1122, and 1137).
- A cumulative GPA of at least 2.5 on all coursework completed at The Ohio State University as well as at least a 2.5 in the major.
- A minimum grade of C- or higher is required for all undergraduate major courses.
- If a major-required course or major elective is a GE Theme course, two 3-4 credit hour courses (no more than one per theme area) are permitted to double count in the GE and major hours. GE Theme courses are indicated with a ♦ symbol.
- Students are expected to follow the rules and guidelines in both the undergraduate and graduate student handbooks in the College of Public Health.
- The program requirements a student will follow are determined by their admit term (first term of undergraduate enrollment at Ohio State).