

Bachelor of Science in Public Health – Environmental Public Health Specialization/Master of Public Health – Epidemiology Combined (3+2) 2025-2026 Curriculum Guide

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

*Indicates a prerequisite 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.

**Indicates a prerequisite course for a major required course (MICROBIOLOGY 4000.01/4000.02) that also satisfies this GE category. If a student makes an alternative selection in this GE category, they must also complete this course.

^a 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 Core Courses

Course/Requirement	Title	Credit Hours
PUBHLTH 1100 or 1100H	Survey of Public Health	1
PUBHLTH 2010 or 2010H ♦	Critical Issues in Global Public Health	3
PUBHBIO 2210 or 2210H	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
PUBHLTH 3180 or 3180E	Undergraduate Capstone Preparation	1
Capstone Experience (choose one)	PUBHLTH 4191 Capstone Internship in Public Health PUBHLTH 4998 Capstone Research in Public Health PUBHLTH 4999 Undergraduate Research Thesis PUBHLTH 4999.01H Senior Honors Thesis PUBHLTH 3189.05: Field Experience in Global Public Health: Costa Rica EARTHSC 5797.20 Exploring Environmental and Human Health Issues in Japan (3 cr) Other pre-approved (by CPH) Education Abroad Experience	2-3
Major Core Requirements:		22-23

Specialization Courses

Course/Requirement	Title	Credit Hours
EARTHSC 2203 ♦	Environmental Geoscience	3
EARTHSC 3411	Water Security for the 21 st Century (SP)	3
PUBHEHS 3320	Fundamentals of Environmental Health Risk Assessment (SP)	3
PUBHEHS 4530	Food Safety & Public Health (SP) (prereq: MICROBIOLOGY 4000 or 4100)	3
PUBHEHS 5315	Principles of Toxicology (SP)	3
PUBHEHS 5335	Ecology of Infectious Diseases (SP) (prereq: one undergraduate Biology course)	3
PUBHEHS 5340	Air Contaminants & Public Health (SP)	3
PUBHEPI 3411 ♦	Public Health Field Investigation	3
Choose 1: EARTHSC 5203 EARTHSC 5663 PUBHEHS 4330	Environment Course: Geo-Environment & Human Health (prereq: EARTHSC 2245 or GE data analysis course) Global Change & Sustainability in the Earth System (4 cr) Environmental Epigenetics (prereq: BIOLOGY 1113 or 1114)	3-4
Specialization Requirements:		27-28

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
Specialization Non-Major Requirements:		25

Overlap between BSPH and MPH

Students in the combined degree program take these courses which replace the three Public Health electives

Course/Requirement	Title	Credit Hours
PUBHLTH 6001	Methods in Quantitative Data Analysis	4
PUBHLTH 6002	History, Values & Essential Services of the U.S. Public Health System	2
PUBHBIO 6211	Applied Biostatistics II	3
Overlapping Courses		9

Open Electives

Course/Requirement	Title	Credit Hours
Student Choice	Select desired courses to reach minimum 121 credit hours	0-4

Graduate courses unique to the Master of Public Health Degree with a specialization in Epidemiology

Course/Requirement	Title	Credit Hours
PUBHLTH 6003	Methods in Public Health Planning & Evaluation	2
PUBHLTH 6004	Essentials of Population Health	4
PUBHBIO 6270	Introduction to SAS for Public Health students	2
PUBHBIO 6250	Regression Methods for the Health Sciences	3
PUBHEPI 6411	Biological Basis of Public Health	3
PUBHEPI 6431	Design and Implementation of Health Surveys	3
PUBHEPI 6442	Methods in Social Epidemiology	3
PUBHEPI 5412	Global Epidemiology of Infectious Disease (fulfilling MPH-EPI elective)	3
PUBHEPI 7410	Epidemiology II	4
PUBHEPI 7430	Epidemiology III	4
PUBHLTH 7189	Applied Practice Experience	2
PUBHEPI 7998	Integrative Learning Experience Project Seminar	1
PUBHLTH 7998	Integrative Learning Experience for Public Health	2
Total Minimum Unique Credit Hours for MPH Degree:		36

Policies and General Requirements for the BSPH/MPH Degree

- A minimum of 121 total credit hours for the standalone BSPH degree. Remedial coursework (English 1109; EDUTL 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1010; Mathematics 1040, 1050, 1073, 1074, 1075) do not count toward the minimum requirement for the BSPH degree.
- A minimum of 30 undergraduate credit hours earned through regular course enrollment at this University for the BSPH degree.
- A maximum of 8 hours of technical credit may be counted towards the BSPH degree requirements.
- A maximum of 4 credit hours of physical activity courses (all 1100-level KNSFHP courses except for 1102, 1103, 1122, and 1137).
- For the BSPH, a GPA of at least 2.5 on all coursework completed at The Ohio State University and a minimum of a 2.5 in the major.
- For the MPH, a minimum cumulative 3.0 GPA is required.
- 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.
- The program requirements that a student will follow are determined by their admit term, which is their first term of undergraduate enrollment (or graduate enrollment for their graduate career) at Ohio State.
- Students are expected to follow the rules and guidelines in both the undergraduate and graduate student handbooks in the College of Public Health.
- Courses that overlap between the degrees are indicated with a +. These are courses that the Office of Academic Programs and Student Services will register students for in order for them to double count between the degrees.

Sample 5-year Plan

Term	Course	Credit Hours
Autumn 1 (17-18 credit hours)	GE Writing and Information Literacy (ENGLISH 1110.0X) MATH 1148 (4cr) or 1150 (5cr) (GE Math Quant Reasoning and Major prereq) GE Social and Behavioral Sciences GE Historical and Cultural Studies PUBHLTH 1100 PUBHLTH 2010	3 4 or 5 3 3 1 3
Spring 1 (13-16 credit hours)	CHEM 1210 PUBHEHS 3310 GENED 1201 (GE Launch Seminar) MATH 1149 (if MATH 1148 was taken) BIOLOGY 1113.01 or .02 (GE Natural Science and Major course prereq)	5 3 1 0-3 4
Autumn 2 (16 credit hours)	PUBHHMP 3610 CHEM 1220 PUBHEPI 2410 PHYSICS 1200	3 5 3 5
Spring 2 (18 credit hours)	CHEM 2510 CHEM 2540 PUBHBIO 2210 OR 2201H GE Literary, Visual and Performing Arts PUBHEPI 3411 PUBHHBP 3510	4 2 3 3 3 3
Autumn 3 (16 credit hours)	MICROBIOLOGY 4000.01 OR .02 GE Race, Ethnic and Gender Diversity EARTHSCI 2203 GE THEME: Citizenship #1 GE THEME: Health & Wellbeing OR Sustainability OR Lived Environment	4 3 3 3 3
Spring 3 (16 credit hours)	PUBHLTH 3180 (Capstone Prep) PUBHEHS 5340 EARTHSCI 3411 PUBHEHS 4530 PUBHEHS 5335 PUBHEHS 5315	1 3 3 3 3 3
Summer 3 (2 credit hours)	Capstone Course (4191, 4998 or 4999)	2
Autumn 4 (17 credit hours)	PUBHLTH 6001+ PUBHLTH 6002+ Environment Course (select 1 of 3 options) GE THEME: Citizenship #2 PUBHEPI 6411 PUBHBIO 6270	4 2 3 3 3 2
Spring 4 (17 credit hours)	PUBHLTH 6003 PUBHLTH 6004 PUBHBIO 6211+ PUBHEPI 7410 PUBHEHS 3320 GENED 4001 (GE Reflection Seminar)	2 4 3 4 3 1

Term	Course	Credit Hours
Summer 4 (2 credit hours)	PUBHLTH 7189	2
Autumn 5 (11 credit hours)	PUBHEPI 7430	4
	PUBHBIO 6250	3
	PUBHEPI 7998	1
	PUBHEPI 6442	3
Spring 5 (8 credit hours)	PUBHEPI 5412	3
	PUBHEPI 6431	3
	PUBHLTH 7998	2
	Total Minimum Credit Hours* for Degree:	153-
	<i>*Total Credit hours will vary depending on which courses students select</i>	162