



2026-2027 Curriculum Guide for Master of Public Health degree program with a specialization in ENVIRONMENTAL HEALTH SCIENCES

The Master of Public Health (MPH) degree program is designed to provide students with the knowledge and skills for general and specialized applied public health practice, both in the public sector and in private sector careers related to population health as environmental health specialists. It includes courses within public health's foundation disciplines of biostatistics, environmental health science, epidemiology, health behavior & health promotion, and health services management and policy. This broad training is complemented by the more in-depth course work within the specialization including an applied practice experience and integrative learning experience.

Students admitted to the MPH degree program are assigned a faculty advisor who will provide guidance throughout the program. This document serves as a resource to be used by the student and the advisor in planning a program with a specialization in Environmental Health Sciences (EHS), but is not inclusive of all important degree, college, and university requirements. This is not considered an on-line degree program; however, students will enroll in a combination of courses designed for on-campus in-person delivery (IP), distance learning (DL), or hybrid (HY). All students are expected to be familiar with the College of Public Health (CPH) Graduate Student Handbook: <http://cph.osu.edu/students/graduate/handbooks>, the Graduate School Handbook <https://gradsch.osu.edu/handbook> and the CPH competencies: <http://go.osu.edu/cphcompetencies>.

PROGRAM OF STUDY

The MPH-EHS curriculum consists of a minimum of 43 credit hours organized into five curricular domains:

1. MPH Foundational Curriculum (10 credit hours)
2. EHS Specialization courses (22 credit hours)
3. Approved Electives (6 credit hours)
4. Applied Practice Experience (2 credit hours)
5. Integrative Learning Experience (3 credit hours)
6. Interprofessional Practice and Education (IPE) activities (0 credit hours)*

*In addition to credit hour requirements, the College of Public Health requires all MPH students to participate in IPE activities. To meet this requirement, students will complete IPE activities through the Office of Interprofessional Practice and Education.

MPH Foundational Curriculum (10 credit hours)

Every student in the MPH-EHS program must take the following MPH Foundational Curriculum:

PUBHTLH 6012	Applied Methods in Population Health	2 credit hours
PUBHLTH 6013	Current Topics in Environmental Public Health	2 credit hours
PUBHLTH 6014	Epidemiology through Disease Investigations	2 credit hours
PUBHLTH 6015	Frameworks for Change: Planning and Evaluating Public Health Programs	2 credit hours
PUBHLTH 6016	Public Health and Healthcare Systems	2 credit hours

Required Courses in the EHS Specialization (22 credit hours)

PUBHEHS 5315	Principles of Toxicology	3 credit hours
PUBHEHS 5325	Principles of Occupational Health Science	3 credit hours
PUBHEHS 6310	Principles of Environmental Health Science	3 credit hours
PUBHEHS 6320	Global Health and Environmental Microbiology	3 credit hours
PUBHEHS 6390	Major Human Diseases in Global Public Health	3 credit hours
PUBHEHS 7365	Environmental and Human Health Risk Assessment	3 credit hours

PUBHEHS 7380	Exposure Science Monitoring Techniques I	3 credit hours
ENVSCI 7899	Current Issues in Environmental Sciences	1 credit hour

Electives (Choose courses to bring the total credit hours in the program to minimum 43 credit hours)

Additional electives may be selected from other courses offered by the EHS Division, by the College of Public of Health, or elsewhere in the University with approval of the advisor. Other Division of EHS courses and the following are examples:

PUBHEHS 5335	Ecology of Infectious Diseases	3 credit hours
PUBHEHS 5340	Air Contaminants and Public Health	3 credit hours
PUBHEHS 5345	Modeling Transmission & Control of Infectious Diseases	3 credit hours
PUBHEHS 5350	Geospatial Artificial Intelligence in Public Health	3 credit hours
PUBHEHS 5395	Engineering Design for Environmental Health	3 credit hours
PUBHEHS 6325	Climate Change and Human Health	3 credit hours
PUBHEHS 6330	Environmental Epigenetics	3 credit hours
PUBHEHS 6340	Molecular Techniques for Environmental Health Sciences	3 credit hours
PUBHEHS 7193	Individual Studies in Environmental Health Sciences	1-4 credit hours
PUBHEHS 7360	Water Contamination: Sources and Health Impact	3 credit hours
PUBHEHS 7375	Quantitative Microbial Risk Analysis Modeling	3 credit hours
PUBHEHS 7382	Environmental Health & Analytical Chemistry	3 credit hours
PUBHEPI 7411	Environmental Epidemiology	3 credit hours
PUBHLTH 6189.01 or .02	Field Experience in Public Health/Global Public Health	1-6 credit hours
ENTMLGY 5605	Vector Biology and Vector Borne Diseases	3 credit hours

Applied Practice Experience

PUBHLTH 7189	Applied Practice Experience	2 credit hours
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Integrative Learning Experience

PUBHLTH 7998	Integrative Learning Experience in Public Health	3 credit hours
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Curriculum Plan for the Master of Public Health in Environmental Health Sciences*

(*This is one option; students are advised to consult with their advisor for other options)

TERM	COURSE	COURSE TITLE	CREDIT HOURS	TERM(S) OFFERED	DELIVERY MODE
Year 1 Autumn	PUBHLTH 6013	Current Topics in Environmental Health Science	2	AU	DL
	PUBHLTH 6014	Epidemiology through Disease Investigations	2	AU, SP	DL
	PUBHEHS 6310	Principles of Environmental Health Science	3	AU	DL
	PUBHEHS 6320	Global Health and Environmental Microbiology	3	AU	DL
Year 1 Spring	PUBHLTH 6012	Applied Methods for Population Health	2	SP	DL
	PUBHLTH 6015	Evaluating Public Health Programs	2	SP	DL
	PUBHEHS 5315	Principles of Toxicology	3	SP	IP
	ELECTIVE		3	ANY	
	PUBHEHS 7365	Environmental and Human Health Risk Assessment	3	SP	IP
	ENVSCI 7899	Current Issues in Environmental Sciences	1	SP	IP
Year 1 Summer	PUBHLTH 7189	Applied Practice Experience	2	ANY	DL
Year 2 Autumn	PUBHEHS 5325	Principles of Occupational Health Science	3	AU	DL
	PUBHEHS 6390	Major Human Diseases in Global Public Health	3	AU	DL
	PUBHEHS 7380	Exposure Science Monitoring Techniques I	3	AU	IP
	PUBHLTH 7998	Integrative Learning Experience in Public Health	3	ANY	
	ELECTIVE		3	ANY	
	PUBHLTH 6016	Public Health and Healthcare Systems	2	ANY	DL

Grade Policy:

In addition to the general Graduate School requirements of a cumulative grade point average of 3.0 or higher, students must meet specific college policies regarding grades in foundation and specialization courses. Students should familiarize themselves with Section 11 of the College of Public Health Graduate Student Handbook.

College of Public Health - Office of Academic Programs and Student Services (OAPSS)

OAPSS staff are available to provide assistance with College, Graduate School and University policies and procedures.

(614) 292-8350/100 Cunz Hall/1841 Neil Ave/Columbus, Ohio/ 43210/cph.osu.edu. Questions regarding the student's program of study should be directed to their advisor.