

Environmental Health-Epidemiology MPH Curriculum
Gangarosa Department of Environmental Health, Rollins School of Public Health, Emory University
Matriculation FALL 2025
44 Credits Required

COURSE #	TITLE	SEMESTER OFFERED	YEAR TO ENROLL	CREDITS	GRADING BASIS	SEMESTER TAKEN
RSPH CORE REQUIREMENTS						
BIOS 500	Statistical Methods I w/lab	Fall	1	4	Graded	
EPI 530	Epidemiologic Methods I w/lab	Fall	1	4	Graded	
BSHES 500	Behavioral and Social Sciences in Public Health	Fall, Spring	1 or 2	2	Graded	
GH 500	Critical Issues in Global Health	Fall, Spring	1 or 2	2	Graded	
HPM 500	Intro. to US Health Care System	Fall, Spring	1 or 2	2	Graded	
PUBH 500	Introduction to Public Health	Fall	1	0	S/U	
PUBH 501	Inter-Professional Team Training	Spring	1	0	S/U	
Sub-total:				14		
EH-EPI REQUIREMENTS						
BIOS 591P	Biostatistical Methods II (Prereq: BIOS 500)	Spring	1	3	Graded	
EH 501	Introduction to Environmental Health	Fall	1	2	S/U	
EH 510	Foundations of Exposure Science	Spring	1	2	Graded	
EH 520	Human Toxicology	Fall	1	3	Graded	
EH 570	Environmental Health Law and Policy	Spring	2	2	Graded	
EH 591	Integrative Learning Experience in EH, Part 1	Fall	2	2	Graded	
EH 592	Integrative Learning Experience in EH, Part 2	Spring	2	2	Graded	
EHS 747/EPI 747	Advanced Environmental Epidemiology	Fall	2	2	Graded	
EPI 534	Statistical Programming (No prereqs)	Fall	1	2	Graded	
EPI 535	Designing and Implementing Epidemiologic Studies (Prereq: EPI 530)	Spring	1	2	Graded	
EPI 540	Epidemiologic Methods II w/lab (Prereqs: EPI 530, BIOS 500; EPI 534 and BIOS 591P concurrent)	Spring	1	4	Graded	
EPI 550	Epidemiologic Methods III w/lab (Prereqs: EPI 530, EPI 540/545, BIOS 500, BIOS 501 or 591P)	Fall	2	4	Graded	
EH 595	Applied Practice Experience (APE)	Spring	2	0	S/U	
Sub-total:				30		
Total:				44		
ELECTIVES				Optional, will be above/beyond requirements		

* ILE for this program must be an epidemiologic assessment of an environmental health question.
It is important that all EPI and BIOS classes are taken in the year listed above.

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EH-EPI SUGGESTED COURSE SEQUENCE

COURSE NUMBER	COURSE NAME	CREDITS
FALL 1		
BIOS 500	Statistical Methods I w/lab	4
EH 501	Introduction to Environmental Health	2
EH 520	Human Toxicology	3
EPI 530	Epidemiologic Methods I w/lab	4
EPI 534	Statistical Programming	2
PUBH 500	Introduction to Public Health (1 st half semester)	0
Core and/or Electives	Required BSHES/HPM/GH Core Courses or General Elective(s) optional	Variable credit (VC)
	Semester Total:	15
SPRING 1		
EH 510	Foundations of Exposure Science	2
BIOS 591P	Biostatistical Methods II	3
EPI 535	Designing and Implementing Epidemiologic Studies	2
EPI 540	Epidemiologic Methods II w/lab	4
PUBH 501	Inter-Professional Team Training	0
Core and/or Electives	Required BSHES/HPM/GH Core Courses or General Elective(s)	VC
	Semester Total:	11+
SUMMER	Most students will complete their APE and begin working on thesis.	
FALL 2		
EPI 550	Epidemiologic Methods III w/lab	4
EHS 747/EPI 747	Advanced Environmental Epidemiology	2
EH 591	Integrative Learning Experience in EH, Part 1	2
Core and/or Electives	Required BSHES/HPM/GH Core Courses or General Elective(s)	VC
	Semester Total:	9+
SPRING 2		
EH 570	Environmental Health Law and Policy	2
EH 592	Integrative Learning Experience in EH, Part 2	2
EH 595	Applied Practice Experience (APE)	0
Core and/or Electives	Required BSHES/HPM/GH Core Courses or General Elective(s)	VC
	Semester Total:	9+

All classes listed are required courses unless otherwise noted.

Electives: The required classes equal the total number of required credits for this program; students may take electives (non-required classes) above and beyond the requirements to supplement their program, and if a course is waived, substitution or elective credits must be taken to ensure to meet 44 credits. Students may enroll in classes in GDEH (see list below), RPSH or other graduate-level classes at other Emory schools or via the [ARCHE program](#) (with permission) to enhance their interests and skills. Visit the [RSPH Course Catalog](#) for RSPH courses, the [EH course webpage](#) for EH course descriptions and sample syllabi, and/or the [Emory Course Atlas](#). ***Cross-check the RSPH Course Catalog and Emory Course Atlas for pre-requisites and permission needs.***

The program's competencies are posted [here](#).

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Gangarosa Department of Environmental Health Electives

See OPUS, Atlas, and/or the RSPH Course Catalog for descriptions, prerequisites, and schedules

Fall

- EH 524 (2) Risk Assessment
- EH 562 (2) Methods for Environmental Mixtures
- EH 572 (2) Environmental Justice: Theory and Public Health Practice
- EH 580 (2) Injury Prevention and Control
- EH 581 (2) Public Health Consequences of Disasters
- EH 582/GH 582 (2) Global Climate Change: Health Impacts and Response
- EH 584 (2) Built Environment and Public Health
- EHS 730/IBS 741 (2) Computational Systems Biology: Modeling Biological Responses
- EHS 747/EPI 747 (2) Advanced Environmental Epidemiology

Spring

- EH 515 (2) Air Quality in the Urban Environment: A Survey of Research Methods and Findings
- EH 523 (2) Neurotoxicology
- EH 526 (2) Introduction to Internal Exposure Modeling
- EH 527 (2) Biomarkers and Environmental Public Health
- EH 542 (2) Methods & Practice in Community-Based Research
- EH 544 (2) EH in Low- and Middle-Income Countries: disease burden, causes and interventions
- EH 545 (3) Introduction to Environmental Determinants of Infectious Disease
- EH 547 (1) Design, delivery, and assessment of WASH in school programs
- EH 548 (3) Research Methods for Studies of Water and Health
- EH 560 (2) Environmental Health 'Omics
- EH 571 (2) Global Environmental Health Policy: Power, Science and Justice
- EH 573 (2) Climate Change Communications
- EH 586 (2) Adv. Sem in Climate Change and Health: Research and Policy
- EH 587 (2) Intro.to Satellite Remote Sensing of the Environment and its Applications in PH
- EH 587L (1) Intro to Satellite Remote Sensing of the Environment and its Application to PH Lab
- EHS 720 (2) Intro to Physiologically Based Toxicokinetic (PBTK)/Pharmacokinetic (PBPK) Modeling
- EHS 740 (2) Molecular Toxicology

Irregularly Offered Classes:

- EH 543 (1) Sustainability
- EH 583 (4) Spatial Analysis in Disease Ecology