

ENVIRONMENTAL HEALTH SCIENCES, DOCTOR OF PHILOSOPHY (PH.D.)

The PhD program in Environmental Health Sciences consists of a minimum of 31 credit hours of graduate course work, 18 credits of specialization/elective courses including a lab rotation requirement, and 12 credits of dissertation research for a total of 61 credits.

Graduate courses include (1) core courses within environmental health, epidemiology and biostatistics; (2) supporting courses in environmental health research, ethics, public health, and grant writing; (3) specialized courses selected within the research foci; and (4) dissertation credits.

The program can be completed on either a full- or part time basis. It is anticipated that students will complete more than the minimum number of credits.

Advance to Candidacy: Students must successfully complete a written and oral comprehensive exam in order to advance to candidacy.

Post-Candidacy: Students must pass an oral defense of a written dissertation research proposal, complete a minimum of 12 credits of MIEH899 doctoral dissertation research, as well as submit and defend an original dissertation.

Some core coursework may be waived based on previous courses taken at UMD or in another master's program. Students would not be able to waive out of all rotations or the seminar requirements. Rotations can be in physical labs or with faculty conducting non-laboratory based research. At least 1 rotation must be outside of the students focus area. Students would not be able to waive out of any of the 12 to 15 credits required for the specialization area. No more than 6 credits of MIEH 898 could be taken as part of the specialization area.

Course	Title	Credits
MIEH600	Foundations of Environmental Health	3
MIEH700	Advanced Environmental Health	3
MIEH720	Principles of Toxicology	3
MIEH740	Environmental Health Risk Assessment	3
MIEH771	Exposure Assessment of Environmental Hazards	3
EPIB610	Foundations of Epidemiology	3
EPIB650	Biostatistics I	3
EPIB651	Applied Regression Analysis	3
SPHL611	Public Health Ethics	1
or SPHL612	Research Ethics	
MIEH783	Proposal Development and Marketing for Public Health Scientists	3
MIEH899	Doctoral Dissertation Research	12
SPHL600	Foundations of Public Health	3
Lab Rotations and Specialization/Elective Courses (choose one of two options): ¹		18
Option 1:		
MIEH609	Methods in Environmental Health (1 Lab Rotation; 3 Credits)	
Specialization/Elective Courses (15 Credits)		
Option 2:		

MIEH609	Methods in Environmental Health (2 Lab Rotations of 3 credits each; total 6 Credits)
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Specialization/Elective Courses (12 Credits)	
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Total Credits	61
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¹ The specialization area would be created by and tailored to each student's specific research focus. If the student takes 2 lab rotations (MIEH609), they would take 12 credits of specialization/elective courses. If they take 1 lab rotation (MIEH609), they would take 15 credits of specialization/elective courses.