

Degree Program: Doctor of Philosophy (Ph.D.) in Environmental Health

The Doctor of Philosophy (Ph.D.) in Environmental Health, offered by the College of Public Health's Department of Environmental Health Science, prepares students to assess the impact of physical, chemical and biological agents in order to better measure and control their impacts on environmental and human health.

The Ph.D. in Environmental Health Science requires 30 hours of coursework. For students entering with a master's degree, 16 hours must be taken at the 8000 level. Those without a master's degree must successfully complete at least an additional 4 hours in graduate-only courses. For all students, greater than 50 percent of hours in the program of study must be in classes that are limited to graduate students only. Additionally, all students are expected to enroll in research hours (EHSC 9000) while they work toward their degree. GRSC 7001 and 7770 do not count toward the program of study.

I. Department Required Courses

EHSC 7010*	Intro. to Environmental Health Science	(3) <i>If needed*</i>
EHSC 8010	Adv. Topics in Environ. Health I	(3)
EHSC 8020	Adv. Topics in Environ. Health II	(3)
EHSC 8030	Graduate Seminar (x3)	(1)
EHSC 8050	Proseminar in EHS	(1 Sp)
EHSC 8150	Environmental Health Seminar	(1, <i>final semester</i>)
EHSC 9000	Doctoral Research	(≥3)
EHSC 9300	Dissertation	(≥3)
BIOS, STAT, other	Biostatistics (advanced course)	(3)

**Students with prior EHS experience may waive this requirement*

II. College of Public Health Required Courses

PBHL 7100*	Fundamentals of Public Health	(3)
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**If no prior public health degree*

III. Graduate School Required Courses

GRSC 7001	GradFIRST Seminar	
GRSC 7770^	Graduate Teaching Seminar	
GRSC 8550	Responsible Conduct of Research	(1)

^For Teaching Assistant's only

IV. EHS Electives

As determined by major professor and dissertation committee. >6 h must be from courses with EHSC prefix (currently offered EHSC courses at the graduate level are listed on following page.)

EHSC 6310/L	Environmental Microbiology	(4)
EHSC 6320/L	Food Safety Control Programs	(3)
EHSC 7010	Fundamentals of EHS	(3)
EHSC 7080	Advanced Environ. Air Quality	(3)
EHSC 7150/L	Occupational Hygiene and Safety	(3)
EHSC 7310	Public Health Microbiology	(3)
EHSC 7490	Principles of Toxicology	(3)
EHSC 7550	Solid and Hazardous Waste Management	(3)
EHSC 7650	Water Quality: Protection, Monitoring, and Management	(3)
EHSC 7900	Integrative Global Environment & Public Health	(3)
EHSC 8070	Environmental and Occupational Epidemiology	(3)
EHSC 8110	Fundamentals of Chemical and Microbial Risk Assessment	(3)
EHSC 8120	Roles and Responsibilities of Environ. Policy Makers	(2)
EHSC 8210	Cancer Etiology and Prevention	(3)
EHSC 8220/L	Predictive Toxicology Using Mathematical Models	(4)
EHSC 8250	Biomarkers: Public Health, Clinical, and Environmental Tox	(3)
EHSC 8310	Adv Topics Aquatic Microbiology, Health, Environment	(3)
EHSC 8350	Fundamentals of Ecotoxicology	(3)
EHSC 8410	Oceans and Human Health	(3)
EHSC 8450	Genome Technologies	(1-3)
EHSC 8460	Environmental Genomics	(1-3)
EHSC 8550	Developmental and Reproductive Toxicology	(3)
EHSC 8610	Aquatic Toxicology	(3)
EHSC 8630/L	Quantitative Ecological Toxicology	(4)
EHSC 8650	Advanced Environmental Chemistry	(4)
EHSC 8800	Special Problems in Environmental Health Science	(1-3)



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