

Degree Program: Master of Science in Environmental Health (M.S.E.H.)

The Master of Science in Environmental Health (M.S.E.H.) degree, offered by the College of Public Health's Department of Environmental Health Science, prepares students for careers that examines how environmental and occupational exposures impact human health.

The M.S.E.H. requires a minimum of 36 semester hours, including 23 hours of coursework (at least one-half must be in courses open only to graduate students), related Master's-level research (EHSC 7000; 3 hours), and completion of a thesis approved by the Master's committee (EHSC 7300; 3 hours). GRSC 7001 and 7770 do not count toward the program of study.

I. Department Required Courses

EHSC 7010 <i>or</i> 8010	Intro to <i>or</i> Advanced EHS	(3)
EHSC 8030	Graduate Seminar (x2)	(1)
EHSC 8050	Proseminar in EHS	(1 Sp)
EHSC 8150	Environmental Health Seminar	(1, <i>final semester</i>)
EHSC 7000	Master's Research	(≥3)
EHSC 7300	Master's Thesis	(≥3)
EHSC 6310 <i>or</i> 7080 <i>or</i> 7490 <i>or</i> 8110	Environmental Microbiology <i>or</i> Adv. Enviro. Air Quality <i>or</i> Principles of Toxicology <i>or</i> Fundamentals of Chemical and Microbial Risk Assessment (<i>Choose one</i>)	(3-4)
BIOS, STAT, other	Biostatistics (advanced course)	(3)

III. 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	

⁺*For Teaching Assistant's only*

IV. EHS Electives (12 hr)

As determined by major professor and thesis committee. >6 h must be from courses with EHSC prefix. (Currently offered EHSC courses at the graduate-level are listed below).

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 8010	Adv Topics in Environ. Health I	(3)
EHSC 8020	Adv Topics in Environ. Health II	(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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