

Master of Public Health

ENVIRONMENTAL HEALTH CONCENTRATION

2016–2017

The concentration in environmental health (EVHT) prepares students for research and practice in the study of environmental factors, including the biological, physical and chemical factors that affect the health of a community. EVHT investigates how environmental agents, from the molecular to the ecological level, as well as natural and human-created environments, affect health. The concentration teaches the core EVHT disciplines — exposure assessment, toxicology, risk assessment, and air and water pollution — and offers additional areas of specialization, including food safety, occupational health, infectious diseases, environmental epidemiology and urban health.

MPH CORE REQUIREMENTS (16 credit hours)

		Credits
PH 7011	Epidemiology for Public Health	3
PH 7017	Fundamentals of Biostatistics I	4
PH 7140	Social & Behavioral Aspects of Public Health	3
PH 7150	Environmental Health	3
PH 7160	Introduction to the Health Care System	3

ADDITIONAL MPH REQUIRED COURSES (8 credit hours)

PH 7019	Public Health Research Methods	3
PH 7960	Public Health Practicum	2
PH 7990 or 7991	Public Health Thesis or Capstone	3

Area Total: **24**

CONCENTRATION (18 credit hours)

Required EVHT Concentration Courses (9 credit hours)

PH 7293	Environmental Health Toxicology	3
PH 7294	Exposure Assessment	3
PH 7345	Introduction to Risk Assessment	3

Concentration Elective Courses (9 credit hours)

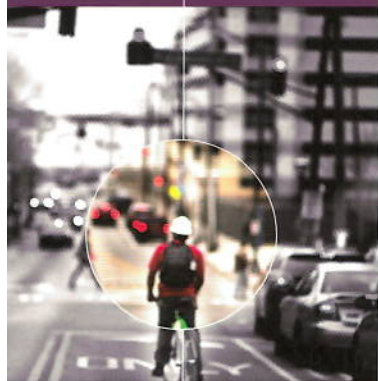
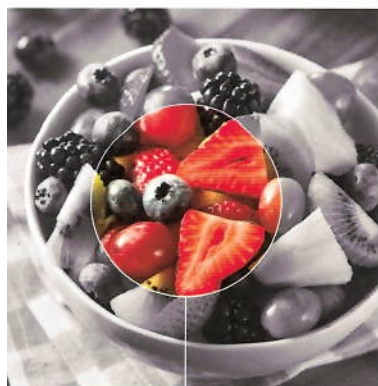
Select at least three courses.

PH 7025	Health Disparities	PH 7600	Global Health
PH 7155	Air Quality & the Environment	PH 8350	Biological Basis for Disease
PH 7280	Infectious Disease Epidemiology	GEOS 6532	Introduction to GIS
PH 7297	Global Water, Sanitation & Hygiene	GEOS 6538	Urban Health GIS
PH 7299	Sampling of the Environment	GEOS 6644	Environmental Conservation
PH 7300	Urban Health	GEOS 6784	Climatic Change
PH 7325	Urban Health Seminar	NUTR 6170	Food Safety
PH 7340	Built Environment & Health	BIOL 6428	Medical Microbiology
PH 7525	Statistical Computing	BIOL 6451	Aquatic Pollution & Toxicology
PH 7540	Introduction to Public Health Laboratories	BIOL 6480	Principles of Toxicology
		BIOL 6484	Laboratory Techniques in Applied & Environmental Microbiology

Area Total: **18**

Degree Total

42



ENVIRONMENTAL HEALTH CONCENTRATION EMPLOYMENT INFORMATION

2016-2017

Environmental health studies how different factors in our environment affect the health of individuals and populations. Addressing all the physical, chemical and biological factors external to a person, coupled with all related factors affecting behaviors, environmental health seeks to assess and control these factors to prevent disease and create health-supportive environments.

This concentration addresses how environmental risk factors — such as smoke, water and airborne pollutants — affect certain populations and their health. Students who concentrate in environmental health are well versed in the variety of approaches used to assess risk levels associated with the environment and public health.

Environmental health specialists work in many different sectors. They monitor air quality, water and noise pollution, toxic substances and pesticides; conduct restaurant inspections; carry out vector control; and promote healthy housing and land use. Environmental health professionals also research environmental toxins, communicable disease outbreaks and human health impacts of environmental catastrophes such as hurricanes.

Common Job Titles: Environmental Health Specialist, Environmental Protection Specialist, Industrial Hygienist, Consumer Safety Office, Toxicologist, Environmental Planner, Occupation Safety Manager, Environmental Impact Assessment Manager and more.

Potential Salary Range: \$41,690 – \$72,496

Useful Links for Public Health Career and Internship Information

Air & Waste Management Association: awma.org
American College of Occupational & Environmental Medicine: acoem.org
American Industrial Hygiene Association: aiha.org
American Water Works Association: awwa.org
Association of Schools & Programs of Public Health: aspph.org
Centers for Disease Control & Prevention: jobs.cdc.gov
Environmental Protection Agency: epa.gov
Georgia Center for Nonprofits: gcn.org
Georgia Governor's Intern Program: gov.georgia.gov/intern-program
Idealist: idealist.org
National Association of County & City Health Officials: naccho.org
Public Service Careers: publicservicecareers.org
University Career Services: career.gsu.edu



POTENTIAL EMPLOYERS

- Government:
- Centers for Disease Control & Prevention
 - Environmental Protection Agency
 - Food & Drug Administration
 - State departments of public health

- Industry:
- BASF
 - Booz Allen Hamilton
 - BP
 - Carter Consulting
 - Emory Healthcare
 - Genentech
 - Georgia-Pacific
 - Grady Health System
 - Groundwater and environmental services
 - SciMetrika

PROFESSIONAL DEVELOPMENT

- Air & Waste Management Association
- American College of Occupation & Environmental Medicine
- American Industrial Hygiene Association
- National Environmental Health Association

Concentration profile excerpt from aspph.org, who.int/topics/environmental_health/en and aehap.org. Sector salary information as reported by salary.com.