



Environmental Health Sciences

GRADUATE STUDY PROGRAM

UNIVERSITY OF MINNESOTA

School of Public Health

The Environmental Health Sciences (EnHS) major emphasizes the scientific, technological, policy, and management skills needed to address environmental health concerns. The program offers small classes, individual faculty attention, proximity to a large academic health center, and opportunities to participate in faculty research.

Degree Options

We offer MS, MPH, and PhD degrees in the areas outlined below.

Specialty Areas

Students may elect a general program in environmental health, or focus in one of the following specialty areas:

- » Environmental Chemistry
- » Environmental and Occupational Epidemiology
- » Environmental Health Policy
- » Environmental Infectious Diseases
- » Environmental Physiology
- » Exposure Sciences
- » Global Environmental Health
- » Industrial Hygiene
- » Occupational and Environmental Health Nursing (OEHN)
- » Occupational and Environmental Medicine (OEM)
- » Regulatory Toxicology and Risk Assessment

Doctoral Training Grants

EnHS offers two doctoral training programs; each of which supports and enhances the Ph.D. training of students in multidisciplinary fields of study and research:

- » Occupational Health Services Research and Policy
- » Occupational Injury Prevention Research Training

Dual Degrees

The Division also offers the following joint degrees in collaboration with other university schools:

- » JD with the Law School
- » MA with the School of Journalism and Mass Communication
- » DVM with the School of Veterinary Medicine
- » MD with the Medical School

Admission Preferences and Prerequisites

Admission requires a baccalaureate degree or higher from an accredited college or university. The admissions committee reviews applicants according to their personal statements, background and experience, record of academic achievement, demonstrated academic potential, letters of recommendation, compatibility of interests with program faculty, and other factors. Test scores and GPAs provide competitive points of reference for admission but are not alone decisive in the admissions review.

Preferred Performance Levels

- » A cumulative undergraduate GPA of at least 3.00
- » A Composite GRE score of at least 1000, with at least a 3.5 on the AWA (Analytic Writing Assessment). Also acceptable: DAT, GMAT, LSAT, or MCAT. (The test is not required for applicants with a doctoral-level degree from an accredited U.S. or Canadian school.)
- » TOEFL score of at least 600/250 (for applicants whose native language is not English)
- » GRE can be waived by completion of the Public Health Certificate Program with a minimum GPA of 3.25

OEHN applicants must have a baccalaureate degree from an accredited school of nursing. Doctoral applicants are expected to substantially exceed the general admission preferences.

Application Deadlines:

- » Priority: December 15
- » Final: June 15

Admission Decisions

Applications are reviewed by the admissions committee throughout the year. If the committee recommends admission based on criteria of the specialty area and the associate dean approves, the applicant receives an official letter offering admission.

For more information about the Division of Environmental Sciences:

Website: <http://enhs.umn.edu> | Major Coordinator: Khosi Nkosi | E-mail: enhs@umn.edu | Phone: (612) 625-0622

Environmental Health Sciences offers 12 specialty areas of study in disciplines such as environmental health policy, infectious disease, and exposure sciences. EnHS also offers two doctoral training grants; each of which supports and enhances the Ph.D. training of students in multidisciplinary fields of study and research. The Division also offers joint degrees programs in collaboration with other University of Minnesota schools.

Specialty Areas

General Environmental Health provides a broad perspective of the field, focusing on the effects of environmental factors on health, and how public health interventions can prevent disease morbidity and human mortality. MPH | MS

Environmental Chemistry examines the interactions of pollutants with air, water, soil, and their exposures to humans and wildlife. MS | PhD

Environmental and Occupational Epidemiology studies the causal relationship between environmental and occupational exposures and human health. Students may also focus in occupational injury epidemiology, prevention and control. MPH | MS | PhD

Environmental Health Policy provides broad, multidisciplinary training in environmental health issues, including occupational health, risk assessment, risk management, decision making, and policy analysis. MPH | MS | PhD

Environmental Infectious Diseases is concerned with the emergence of food-borne and infectious diseases with a focus on environmental factors associated with these issues. MPH | MS | PhD

Environmental Physiology investigates the mechanisms of environmentally-induced disease. PhD

Exposure Sciences examines methods for the identification, measurement and simulation of human exposure and dose resulting from single and multimedia environmental exposures. MS

Global Environmental Health considers the environment globally and its effects on human health around the world. MPH | MS

Industrial Hygiene is concerned with the health and safety of people at work, and the community at large. Specific concerns are with recognition, evaluation and control of potential health threats to the workplace, the community and the environment. Hazardous Substances Training is also offered. MPH | MS | PhD

Occupational and Environmental Health Nursing provides intensive training for nurses interested in occupational health management. MPH | MS | PhD

Physicians may focus in **Occupational and Environmental Medicine**, the academic component of an occupational medicine residency program. MPH

Regulatory Toxicology and Risk Assessment studies how toxicology is used to protect human health through the development of environmental policies and regulations. MPH

Doctoral Training Programs

Occupational Health Services Research and Policy is a program jointly offered by EnHS and the Division of Health Services Research. EnHS students receive a minor in health services research, policy, and administration.

Occupational Injury Prevention Research Training provides a multifaceted approach to advanced academic and research training with a primary goal to prevent and control occupational injuries.

Joint Degree Programs

JD with Law School combines a law degree with a MS, MPH, or PhD degree in environmental health, enabling students to tackle problems at the intersection of law, science, health, and the environment.

Health Journalism is a one-year program joint degree program that aims to improve public communication about health affairs by bridging the knowledge, skills and professional training of both disciplines.

The **Veterinary Public Health program** allows students to combine their veterinary studies with a public health degree, qualifying them to work at the crossroads of human wellness and animal health.

The **Public Health Medicine program** allows current medical students to combine their studies with public health degree that will increase their understanding of environmental factors that affect patients.

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