

# Environmental and Occupational Health Sciences

## Admission Requirements

- **Prior Degree** Bachelor's degree in any field.
- **Grade Point Average** Admitted students typically have at least a combined undergraduate/graduate grade point average of 3.00/4.00. However, all applicants are given a holistic evaluation of their application. Applicants with less than a 3.00 are encouraged to apply if they believe that their application is strong in other areas.
- **Prerequisite Courses** Two semesters of college math, one course in college chemistry and one course in either biology OR physics prior to enrollment. In addition, applicants should have completed coursework in college-level mathematics, biology, general and organic chemistry, and physics. Exceptions may be granted for applicants with relevant work experience or high-level academic achievements. Exceptions may be admitted with an individually documented plan of study to compensate for deficiencies, although applicants are strongly encouraged to satisfy all deficiencies prior to matriculation. Applicants are invited to consult with the Industrial Hygiene Program Director about possible deficiencies.
- **Tests** GRE is optional.
- **Letters of Recommendation** Three required, uploaded via the SOPHAS application.
- **Resume or CV** Required, uploaded via the SOPHAS application.
- **Personal Statement** Applicants will upload a 500-800 word statement focused on their interests/experiences in public health and the program they are applying to specifically, goals with the degree, and why they would be successful in the program. For students applying to research focused programs, the personal statement should also address potential research interests.
- **Minimum English Competency Test Score for International Applicants**
  - **TOEFL** 80, with subscores of Reading 19, Listening 17, Speaking 20, and Writing 21 (iBT Test); 60, with subscores of Reading 19, Listening 17, Writing 21 (revised Paper-Delivered Test), **OR**,
  - **IELTS** 6.5, with subscores of 6.0 for all four subscores, **OR**,
  - **PTE-Academic** 54, with subscores of Reading 51, Listening 47, Speaking 53, and Writing 56.

## Degree Requirements

**Minimum Semester Hours Required** Comprehensive Program, 43; Professional Enhancement Program, 42; Industrial Hygiene Concentration, 49; Occupational and Environmental Medicine Concentration, 42; Occupational Safety Concentration, 48; Water Quality and Health Concentration, 47.

**Course Work** Students in the MPH program at UIC School of Public Health are required to complete 18-20 hours of school-wide core curriculum, two non-credit trainings, and concentration-specific requirements.

## School-Wide Core Requirements

Code	Title	Hours
<b>Required Courses</b>		
IPHS 401	Determinants of Population Health	
IPHS 404 & IPHS 405	Analytic and Research Methods in Population Health Part I and Analytic and Research Methods in Population Health Part II	
or IPHS 402	Analytic and Research Methods in Public Health	
IPHS 403	Public Health Systems, Management and Community Health Methods	
IPHS 420	Interprofessional Education	
IPHS 650	Applied Practice Experience	
IPHS 698	Integrative Learning Experience	

## Non-Credit Training Requirements

Code	Title	Hours
<b>Required Training</b>		
	Title IX Training - Sexual Harassment	
	SPH Academic Integrity Tutorial	

## Divisional Core and Concentration Requirements

In addition to School-Wide Core requirements and Non-Credit Training requirements, students in the Environmental and Occupational Health Sciences concentrations complete the following divisional and concentration requirements.

Code	Title	Hours
<b>Required Courses (for all EOHS students)</b>		
EOHS 401	Ethics and Justice in Environmental and Occupational Health	
EOHS 402	Systems Approach in Environmental and Occupational Health	

## Concentrations

Students may select from the following concentrations or may build a general program of study within EOHS, in conjunction with their faculty advisor.

## Generalist

Code	Title	Hours
<b>Required Courses</b>		
EOHS 440	Chemistry for Environmental Professionals	
EOHS 495	Environmental/Occupational Health Seminar	
EOHS 501	Exposure Assessment Strategies	
EOHS 502	Environment, Toxicology, and Disease	
EOHS 556	Risk Assessment in Environmental and Occupational Health	

At least one of the following computing skills courses:

BSTT 494	Introductory Special Topics in Biostatistics	
BSTT 568	Programming and Simulation in R	

BSTT 594	Special Topics in Biostatistics
HPA 436	GIS for Environmental and Public Health Professionals
HPA 480	Health Related Database Design and Analysis
HPA 565	Datamining Applications in Public Health
EOHS 571	Injury Epidemiology and Prevention
EPID 406	Epidemiologic Computing
UPP 461	Geographic Information Systems for Planning and Policy

### Electives

Students in the Comprehensive Program must complete the electives necessary to reach the minimum required hours of 43 semester hours; PEP students must complete a total of 42 semester hours. Chosen electives must add depth to the student's training in EOHS, and further the student's attainment of the program competencies.

### Industrial Hygiene (ANSAC-ABET Accredited)

Students that complete the program in Industrial Hygiene reduce requirements to be a Certified Industrial Hygienist (CIH®) and are eligible to become a Graduate Safety Practitioner (GSP®) upon graduation ahead of Certified Safety Professionals (CSP®) certification. The Industrial Hygiene Program is accredited by the Applied and Natural Sciences Accreditation Commission of ABET, <https://www.abet.org>.

Code	Title	Hours
<b>Required Courses</b>		
EOHS 421	Occupational Health and Safety Practice	
EOHS 424	Evaluation and Control of Radiation Exposures	
EOHS 425	Evaluation and Control of Physical Agents	
EOHS 426	Evaluation and Control of Airborne Contaminants	
EOHS 427	Evaluation and Control of the Psychosocial Work Environment	
EOHS 495	Environmental/Occupational Health Seminar	
EOHS 501	Exposure Assessment Strategies	
EOHS 502	Environment, Toxicology, and Disease	
EOHS 556	Risk Assessment in Environmental and Occupational Health	
EOHS 563	Occupational Safety and Health Management Systems	

### Additional Requirements

Trainees are required each year to:

- Attend all weekly Illinois ERC Interdisciplinary Seminars (EOHS 495) (held weekly throughout the academic year)
- Attend at least 4 Industrial Process Tours each year

Trainees are required to complete once:

- Present an Industrial Process Talk (scheduled during the ERC Seminar)

### Occupational and Environmental Medicine

This concentration is only available to students in the Residency in Occupational Medicine program.

Students must complete the School-Wide Core Requirements and a sufficient number of the following courses to attain 42 semester hours of credit.

Code	Title	Hours
<b>Required Courses (16 semester hours)</b>		
EOHS 406	Public Health Emergency Preparedness and Response	
EOHS 421	Occupational Health and Safety Practice	
EOHS 495	Environmental/Occupational Health Seminar	
EOHS 502	Environment, Toxicology, and Disease	
EOHS 563	Occupational Safety and Health Management Systems	
EOHS 571	Injury Epidemiology and Prevention	

### Occupational Safety

Code	Title	Hours
<b>Required Courses</b>		
EOHS 421	Occupational Health and Safety Practice	
EOHS 424	Evaluation and Control of Radiation Exposures	
EOHS 425	Evaluation and Control of Physical Agents	
EOHS 427	Evaluation and Control of the Psychosocial Work Environment	
EOHS 495	Environmental/Occupational Health Seminar	
EOHS 501	Exposure Assessment Strategies	
EOHS 502	Environment, Toxicology, and Disease	
EOHS 503	Occupational Safety	
EOHS 504	Occupational Ergonomics and Biomechanics	
EOHS 563	Occupational Safety and Health Management Systems	
EOHS 571	Injury Epidemiology and Prevention	

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Trainees are required to complete once:

- Present an Industrial Process Talk (scheduled during the ERC Seminar)

## Water Quality and Health

Note: Students enrolling in this concentration should have at least one year of college chemistry in addition to the standard divisional admission requirements. Students must complete the School-Wide Core Requirements and a sufficient number of the following courses to attain 47 semester hours of credit.

Code	Title	Hours
<b>Required Courses</b>		
EOHS 501	Exposure Assessment Strategies	
EOHS 502	Environment, Toxicology, and Disease	
EOHS 411	Water Quality Management	
EOHS 418	Water Quality Analysis in Public Health	
EOHS 511	Current Challenges in Water and Health	
EOHS 553	Global Environmental Health	
<b>Selectives</b>		
Select at least one of the following:		
EOHS 440	Chemistry for Environmental Professionals	
EOHS 475	Health Related Database Design and Analysis	
EOHS 556	Risk Assessment in Environmental and Occupational Health	
EOHS 564	Geographic Information System Application in Public Health	
EPID 555	Outbreak Investigation and Field Epidemiology	
CME 521	Environmental Microbiology	
UPP 461	Geographic Information Systems for Planning and Policy	