MS in Environmental Health

Admission Requirements

In addition to the Graduate College minimum requirements, applicants must meet the following program requirements:

- **Baccalaureate Field**
  - A major in the biological, physical, or social sciences is preferred (EOHS students).
  - Students must have completed one year of college math, one course in chemistry, and one course in biology or physics prior to enrollment in the MS program.
  - Those interested in the ASAC-ABET Accredited MS Program in Industrial Hygiene must have a baccalaureate degree from an accredited school, have one year of college math, one course in college chemistry, one course in biology, and one course in 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.
- **Grade Point Average** At least 3.00/4.00.
- **Tests Required** GRE General. For GRE General Tests, the combined verbal and quantitative scores must be at least 300.
- **Minimum English Competency Test Score**
  - **TOEFL iBT** 80, with subscores of Reading 19, Listening 17, Speaking 20, and Writing 21, **OR**,
  - **IELTS Academic** 6.5, with 6.0 in each of the four subscores, **OR**,
  - **PTE-Academic** 54, with subscores of Reading 51, Listening 47, Speaking 53, and Writing 56.
- **Letters of Recommendation** Three required.
- **Personal Statement** Required; the statement should address the applicant's intended research, career goals, and reason for pursuing the MS degree in the chosen area.

Degree Requirements

In addition to the Graduate College minimum requirements, students must meet the following program requirements:

- **Minimum Semester Hours Required** 48; 53 for the optional Industrial Hygiene concentration; 52 for the optional Occupational Safety concentration.
- **Coursework** At least 32 semester hours must be in courses other than IPHS 598, and at least 9 semester hours must be at the 500 level. No more than 4 hours of IPHS 596 may be applied to the degree.
- **Comprehensive Examination** Not required.
- **Thesis, Project, or Coursework-Only Options** Thesis is required for students earning the MS without a concentration. The Industrial Hygiene concentration and the Occupational Safety concentration require the completion of a project.
  - *Thesis*: Students must earn at least 12 hours in IPHS 598.
  - *Project:* Students must complete EOHS 505.

School-Wide Requirements

Code	Title	Hours
School of Public Health Core Requirements (14-22 semester hours)		
BSTT 400	Biostatistics I	
EPID 403	Introduction to Epidemiology: Principles and Methods	
IPHS 450	Foundations and Determinants of Public Health	
IPHS 598	Research in Public Health Sciences - M.S.	
or EOHS 505	Occupational Safety and Industrial Health Consulting	
Required Non-Credit Training		
Human Subjects Research		
Title IX Training		
SPH Academic Integrity Tutorial		

Requirements for MS (no concentration)

Code	Title	Hours
Required Courses (20 semesters hours)		
EOHS 401	Foundations of Environmental and Occupational Health	
EOHS 402	Systems Approach in Environmental and Occupational Health	
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	
Computing Skills Selective (2-4 semester hours)		
Select at least one of the following courses:		
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		
Electives as needed to bring the total semester hours to 48		

Optional Concentrations

Industrial Hygiene Concentration

MS students concentrating in the ASAC-ABET-Accredited Program in Industrial Hygiene must complete all of the SPH School-Wide Core Requirements for the MS degree, including 4 semester hours of EOHS 505. Students will also be required to complete an internship through EOHS 598. In addition, students must take the following courses as their divisional and elective choices to attain 53 semester hours of credit.

Code	Title	Hours
Required Courses		
EOHS 401	Foundations of Environmental and Occupational Health	
EOHS 402	Systems Approach in Environmental and Occupational Health	
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	

Occupational Safety Concentration

MS students concentrating in Occupational Safety must complete all of the SPH School-Wide Core requirements for the MS degree, including 4 semester hours of EOHS 505. Students will also be required to complete an internship through EOHS 598. In addition, students must take the following courses as their divisional and elective choices to attain 52 semester hours of credit.

Code	Title	Hours
Required Courses (30 semester hours)		
EOHS 401	Foundations of Environmental and Occupational Health	
EOHS 402	Systems Approach in Environmental and Occupational Health	
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/EPID 571	Injury Epidemiology and Prevention	