

MS in Public 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.
 - Students applying to the primary concentration in Environmental and Occupational Health must have completed a full year of general chemistry, at least one semester of organic chemistry, and two semesters of calculus; one course in human physiology is also required for those interested in a secondary concentration in Occupational Safety.
 - Those interested in the ASAC-ABET Accredited MS Program in Industrial Hygiene must have a baccalaureate degree from an accredited school, including completed course work 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.
- **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** 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.
- **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** Varies by concentration. 48 for the Environmental and Occupational Health Sciences Concentration; 40 for the Health Policy and Administration Concentration; 52 for the Industrial Hygiene concentration; and 53 for the Occupational Safety concentration.
- **Course Work** 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 Course-Work-Only Options** Thesis or course work only. No other options available.

- **Thesis:** Thesis required for all areas. Thesis students must earn at least 8 hours in IPHS 598.
- **Course Work Only:** Only for Biostatistics students. Comprehensive examination required.

School-Wide Requirements

Code	Title	Hours
School of Public Health Core Requirements		
BSTT 400	Biostatistics I ^a	
EPID 403	Introduction to Epidemiology: Principles and Methods	
IPHS 520	Foundations of Public Health	
Required Non-Credit Training		
	Information Privacy & Security/Health Privacy Training (IPS)	
	Human Subjects Research	
	Title IX Training	
	SPH Academic Integrity Tutorial	

a *BSTT 400 is not required for students in the MS in Biostatistics or MS in Biostatistics, Concentration in Health Analytics programs.*

Concentration Requirements

Remaining courses and their distribution depend on the student's primary (and secondary, where applicable) area of concentration. MS students select from one of the following primary concentration areas:

- Environmental and Occupational Health Sciences (p.) (EOHS)
- Health Policy and Administration (p.) (HPA)

Environmental and Occupational Health Sciences Concentration

In addition to School of Public Health Core Requirements, students must complete the following concentration requirements:

Code	Title	Hours
Environmental and Occupational Health Sciences Concentration Requirements		
BSTT 401	Biostatistics II	
EOHS 405	Environmental Calculations	

Students must also complete the division core of 12 semester hours in EOHS courses, choosing at least one course in each of the following three areas: (1) Exposure Assessment, (2) Health Assessment, (3) Risk Assessment and Policy

- Students should see their advisor for a list of courses in each area.
- Students are strongly encouraged to complete at least one course recommended by the Director of Graduate Studies which provides a broad introduction to public health.

Health Policy and Administration Concentration

- MS students concentrating in Health Policy and Administration must complete all of the School of Public Health Core Requirements for the MS degree. In addition, 22 hours of course work relevant to the

disciplinary area of Health Policy and Administration are taken in consultation with the faculty advisor.

Code	Title	Hours
HPA 415	Introduction to Public Health Policy	
HPA 460	Introduction to the Economics of Health and Healthcare	
HPA 521	Empirical Methods for Health Research I	
HPA 522	Empirical Methods for Health Research II	
HPA 567	Public Health Policy Analysis	
HPA 581	Advanced Topics in Health Economics	
Electives - Selected in consultation with the faculty advisor (4 hours)		

Secondary Concentrations

Global Health Secondary Concentration (available to all onsite MS students)

Students earning an onsite MS in Public Health degree in any of the primary concentrations may also enroll in the Concentration in Global Health. Students in the Global Health Concentration program must satisfy school-wide and divisional requirements in addition to the following: IPHS 409, IPHS 410 and an elective (3 hours). Selection of an elective should be made with the help of the student's academic advisor; and is subject to the offering department's approval. MS students in the GH Concentration must focus their research thesis (IPHS 598, 8 or 16 hours, as required by the student's divisional concentration) on a global health related topic either outside the U.S. or domestically through an appropriate alternative venue. In addition, as feasible, students in the concentration are strongly encouraged to select topics of global health relevance when completing all course assignments for their program. Competency in a foreign language is also highly recommended but not required for the program. With proper planning, courses may be used to satisfy both the Global Health Concentration and divisional requirements.

Industrial Hygiene Secondary Concentration (EOHS students only)

Code	Title	Hours
Secondary Concentration Requirements		
MS students concentrating in the ASAC-ABET-Accredited Program in Industrial Hygiene within the Environmental and Occupational Health Sciences Division must complete all of the SPH requirements for the MS degree. In addition, students must take:		
BSTT 401	Biostatistics II	
EOHS 405	Environmental Calculations	
EOHS 421	Occupational Health and Safety Practice	
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 428	Industrial Hygiene Laboratory I	

EOHS 432	Air Quality Assessment and Management
EOHS 529	Applied Industrial Hygiene and Safety
EOHS 551	Occupational and Environmental Disease
EOHS 563	Occupational Safety and Health Management Systems

Occupational Safety Secondary Concentration (EOHS students only)

Code	Title	Hours
Secondary Concentration Requirements		
MS students concentrating in Occupational Safety must complete all of the SPH requirements for the MS degree. In addition, students must take:		
BSTT 401	Biostatistics II	
EOHS 405	Environmental Calculations	
EOHS 421	Occupational Health and Safety Practice	
EOHS 427	Evaluation and Control of the Psychosocial Work Environment	
EOHS 428	Industrial Hygiene Laboratory I	
EOHS 529	Applied Industrial Hygiene and Safety	
EOHS 551	Occupational and Environmental Disease	
EOHS 563	Occupational Safety and Health Management Systems	
EOHS/EPID 571	Injury Epidemiology and Prevention	
IE/EOHS 441	Ergonomics and Human Factors	
IE 461/EOHS 460	Safety Engineering	
Select one of the following:		
EOHS 425	Evaluation and Control of Physical Agents	
IE 446	Quality Control and Reliability	
TSM 421	(Urbana campus course)	

Public Health Informatics Secondary Concentration (Online MS-HPA students only)

Code	Title	Hours
Secondary Concentration Requirements		
MS students concentrating in Public Health Informatics must complete all of the SPH requirements for the MS degree. In addition, students must take the following:		
Required Courses		
BSTT 401	Biostatistics II	
HPA 465	Health Information and Decision Support Systems	
HPA 481	Development of Public Health Surveillance Information Systems	
Selective Courses		
A minimum of 16 hours from among the following:		
HPA 480	Health Related Database Design and Analysis	

HPA 483	Management of Communication Systems for Public Health Informatics Applications
HPA 485	Legal and Ethical Issues in Public Health Informatics
HPA 486	Survey of Public Health Information Systems
HPA 488	Public Health Information Systems Evaluation and Project Management
HPA 563	Web-Based Public Health Information Systems
HPA 564	Geographic Information System Application in Public Health
HPA 565	Datamining Applications in Public Health

Elective Courses

A minimum of 6 hours from among the following:

BHIS 509	Informatics for the Clinical Investigator
BHIS 527	Knowledge Management in Healthcare Organizations
BHIS 528	Consumer Health Informatics
HPA 444	Strategic Planning and Budgeting/ Finance
HPA 445	Organizational Leadership in Public Health
HPA 455	Geographic Information Systems Integrative Project
HPA 486	Survey of Public Health Information Systems

Students are strongly encouraged to complete at least one course recommended by the Director of Graduate Studies which provides a broad introduction to public health.

Interdepartmental Concentrations

Students earning a graduate degree in this department may complement their courses by enrolling in select concentrations after consulting with their graduate advisor. Interdepartmental concentrations available for this degree include:

- Gender and Women's Studies (students with a primary concentration in Community Health Sciences)
- Survey Research Methodology (students with a primary concentration in Community Health Sciences)
- Violence Studies (MS and PhD students)
- Women's Health (MS and PhD students)