

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 (EOHS students).
 - Students applying to the primary concentration in Environmental and Occupational Health must have completed one year of college math, one course in online 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** 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; 53 for the Occupational Safety concentration; and 48 for the Public Health Informatics 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 only. No other options available.
 - *Thesis:* Thesis required for all areas. Thesis students must earn at least 12 hours in IPHS 598.

School-Wide Requirements

Code	Title	Hours
School of Public Health Core Requirements (22 semester hours)		
BSTT 400	Biostatistics I ^a	
EPID 403	Introduction to Epidemiology: Principles and Methods	
IPHS 520	Foundations of Public Health	
IPHS 598	Research in Public Health Sciences - M.S. (12 hours)	
Required Non-Credit Training		
	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 Data Science 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:

1. Environmental and Occupational Health Sciences (EOHS)
2. Health Policy and Administration (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
Required Courses (20 semester 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 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

Electives as needed to bring the total semester hours to 48

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 coursework 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

Industrial Hygiene Secondary Concentration (EOHS students only)

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 12 semester hours of IPHS 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
Secondary Concentration Requirements		
BSTT 401	Biostatistics II	
EOHS 405	EOHS 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)

MS students concentrating in Occupational Safety must complete all of the SPH School-Wide Core requirements for the MS degree, including 12 semester hours of IPHS 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	

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	
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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 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.