

MASTER'S PROGRAMS

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PROGRAM DESCRIPTION

The Department of Environmental Health Sciences offers two master's degree programs: the academic Master of Health Science in Environmental Health and the professional Master of Health Science in Occupational and Environmental Hygiene. These programs are designed to address the educational and training needs of students within the broad range of disciplines in the field of environmental health, as described below.

ADVISORS

All new students enrolled in the master's program will be assigned an advisor before their arrival. The advisor serves as the primary contact for the Department and will assist the student with course selection each term, preparation of their essay and presentation, and the interpretation of departmental and School policies. The student is free to change advisors, but this change must be approved by the appropriate program director and the Department's Academic Program Manager must be notified.

Students are required to review the current term's registration details with their advisor before the end of the add/drop period each term (see: www.jhsph.edu/academics/calendar).

TIMELINE

Most students in the academic MHS in Environmental Health complete their degree on a full-time basis within four academic terms (nine months). Additional terms of study are allowed as long as the student is making satisfactory academic progress. The professional MHS in Occupational and Environmental Hygiene program requires an internship and typically requires six terms (a year and a half of study) when taken on a full-time basis. Students in either program who choose to attend on a part-time basis may take up to three academic years to complete their program. All MHS students should notify the appropriate program director and the Academic Program Manager if they are not able to maintain continuous registration status.

ASSESSMENT OF PROGRESS

Each term the student and their advisor will review grades from the previous term. Specific goals will be determined following this review. A student who is experiencing academic difficulty will be notified in writing if they are expected to achieve a specific GPA during a term.

Students must meet minimum academic standards to remain in the MHS Program. Failure to meet any of the criteria below is grounds for dismissal from the program.

- To maintain good academic standing, a student must maintain a minimum of 2.50 cumulative grade point average. Students falling below 2.50 will have one term, or 16 additional units of coursework, to raise the GPA above 2.50.

- Students must maintain a grade of “C” or better in all required courses in the core curriculum that are offered for a letter grade.
- If a student receives a grade of “D” or “F” twice in the same required course, they may not repeat the course a third time. If the course is a required core course with no other options, that is grounds for dismissal.

BA/MHS PROGRAM

Undergraduate students currently enrolled in the Johns Hopkins University Krieger School of Arts and Sciences program in Public Health have a unique opportunity to receive both bachelor’s and master’s degrees.

The Johns Hopkins Bloomberg School of Public Health Department of Environmental Health Sciences offers early graduate school admission to students enrolled in this undergraduate program. Applications for the BA/MHS degree must be submitted by July 1 between the junior and senior years to ensure completion of the review process prior to the first day of the academic year. Students must be accepted before the start of their senior year. Standardized test scores are not required for application to the BA/MHS program. A waiver of the requirement for these scores for matriculation into the MHS will be granted to students who achieve a GPA of 3.0 or better in Public Health coursework taken at SPH during their senior year while in the BA/MHS. Both master’s programs, MHS in Environmental Health and MHS in Occupational and Environmental Hygiene, participate in the BA/MHS degree but the applicant must specify one of these programs on the application. The application fee is waived for BA/MHS applicants.

The graduate credits taken at the Bloomberg School of Public Health while in the BA/MHS apply toward the BA and one half of these (up to 16 credits) may also be used to fulfill MHS degree requirements. Students in this program will receive co-advising from both schools to optimize their academic experience. Additional information about this program may be found in the Johns Hopkins University Krieger School of Arts and Sciences catalog.

MHS IN OCCUPATIONAL AND ENVIRONMENTAL HYGIENE

Effective Term 1 2010-2011, students who are currently in the MHS OEH program (full-time or part-time) may choose to pursue either the Master of Health Science (MHS) or the Master of Science in Public Health (MSPH) degree. These students should contact their program director for further information.

PROGRAM DESCRIPTION

The MHS in Occupational and Environmental Hygiene (OEH) Program is designed for students interested in developing or advancing professional careers in occupational and environmental risk assessment and management. This program is part of the Department's NIOSH-sponsored Occupational Safety and Health Education and Research Center. Graduates of the program are employed in consulting, private industry and/or government, and they are also prepared to pursue doctoral studies in environmental health sciences.

For students particularly interested in careers in occupational hygiene, the program is accredited by the Applied Science Accreditation Commission (ASAC) of the Accreditation Board for Engineering and Technology (ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202-4012; 410-347-7770 and is designed to prepare students for the Certified Industrial Hygienist (CIH) examination given by the American Board of Industrial Hygiene. Training in the program covers principles of risk assessment and management in the workplace and in the general environment. Coursework includes toxicology, epidemiology, biostatistics, occupational health, occupational and environmental hygiene, air pollution, environmental sampling techniques, exposure assessment, and program management, as well as risk assessment, risk management and risk communication.

INTERNET-BASED PROGRAM

The MHS in Occupational and Environmental Hygiene program offers a part-time, Internet-based program with courses offered online and during the School's Summer and Winter Institutes. The part-time program has the same requirements as the full-time option. Upon enrollment, students will work with their advisor to develop a course plan for completion of the degree.

GRADE AND PROGRAM REQUIREMENTS

As a requirement of the MHS in OEH program, each student must write a culminating essay and present the information in a formal seminar. The MHS Essay is intended to serve as an integrating experience for the students. The content is based on an occupational or environmental health problem that is pertinent to the educational goals of the student and approved by the advisor. The essay is usually a work product that results from an internship or employment experience. The essay represents a substantive application of professional technical skills through the process of collecting and summarizing data and reviewing appropriate literature. Where possible, students are encouraged to pursue projects that can lead to a publishable manuscript.

INTERNSHIPS

This program requires six academic terms to complete and includes a three-month internship. The internship is designed to provide professional experience tailored to the needs and interests of each student. During the internship, the student is expected to assume independent responsibility for a project, which is described in a culminating paper that serves as a review of the entire educational experience. Results from the internship project and an overall review of the educational experience are also presented orally to an audience of faculty and students.

Department of Environmental Health Sciences
MHS in Occupational and Environmental Hygiene - Academic Year 2010-11
Core Curriculum Schedule - Year 1

First Term

Course Number	Course Name	Day/Time	Units
140.621	Statistical Methods in Public Health I	TTh 10:30 - 11:50 *	4
182.840	Special Studies/Research EHE	TBA	1
187.610	Public Health Toxicology **	WF 3:30 - 4:50	4
188.680	Fundamentals of Occupational Health **	TTh 3:30 - 4:50	3
340.601	Principles of Epidemiology	MWF 8:30 - 9:20 *	5

Second Term

Course Number	Course Name	Day/Time	Units
140.622	Statistical Methods in Public Health II	TTh 10:30 - 11:50 *	4
182.621	Introduction to Ergonomics	F 8:30 - 11:50	4
182.625	Principles of Occupational & Environmental Hygiene **	TTh 1:30 - 3:20	4
182.840	Special Studies/Research EHE	TBA	1
183.631	Fundamentals of Human Physiology **	MW 1:30 - 3:20	4

Third Term

Course Number	Course Name	Day/Time	Units
140.623	Statistical Methods in Public Health III	TTh 10:30 - 11:50 *	4
182.614	Industrial Hygiene Laboratory	WF 1:30 - 4:50	5
182.623	Occupational Safety & Health Management	M 1:30 - 3:50	3
182.840	Special Studies/Research EHE	TBA	1
	Electives		

Fourth Term

Course Number	Course Name	Day/Time	Units
180.628	Introduction to Environmental and Occupational Health Law	Online	4
182.615	Airborne Particles	F 9:30 - 11:50	3
182.622	Ventilation Controls	F 1:00 - 5:20	4
182.840	Special Studies/Research EHE	TBA	1
188.681	Occupational Health	M 8:30 - 11:50 <i>AND</i> W 8:30 - 4:50	5

Summer Internship (No registration required.)

(continued on next page)

Department of Environmental Health Sciences
MHS in Occupational and Environmental Hygiene - Academic Year 2010-11
Core Curriculum Schedule - Year 2

First Term (Fifth term of program)

Course Number	Course Name	Day/Time	Units
182.631	Principles of Occupational Safety	F 1:30 - 3:20	2
182.840	Special Studies/Research EHE or Electives	TBA	10
182.840	Special Studies/Research EHE	TBA	1
317.600	Introduction to the Risk Sciences and Public Policy **	MW 5:00 - 6:30	3

Second Term (Sixth term of program)

Course Number	Course Name	Day/Time	Units
182.637	Noise and Other Physical Agents in the Environment **	WF 1:30 - 3:20	4
182.840	Special Studies/Research EHE or Electives	TBA	10
182.840	Special Studies/Research EHE	TBA	1
317.610	Risk Policy, Management and Communication **	MW 5:00 - 6:30	3

Suggested Electives for Occupational & Environmental Hygiene MHS Program

Course Number	Course Name	Day/Time/Term	Units
183.641	Health Effects of Indoor and Outdoor Air Pollution (Note: Every other year)	TTh 1:30 - 2:50 / Term 4	3
305.610	Issues in Injury and Violence Prevention	MW 3:30 - 4:50 / Term 1	2
340.618	Occupational Epidemiology (Note: Every other year)	TTh 1:30 - 2:50 / Term 4	4
410.613	Psychosocial Factors in Health and Illness	MW 1:30 - 2:50 / Term 3	3

* Check current schedule for all course and/or lab times:

<http://commprojects.ihsph.edu/courses>

** Also offered Online

In addition, all students are required to complete the Academic Ethics Module (on-line course), which is located at:

<https://apps4.ihsph.edu/academicethics>

This module should be completed within two terms of matriculation and must be completed before graduating.

Note: It is permissible to take the online versions of Toxicology (187.610) and Physiology (183.631) in second and fourth terms, respectively, in place of the face-to-face versions offered in first and second terms. To do so, an eLearning account must be established and the online course, "Introduction to Online Learning" must be completed prior to the start of the term in which the first online course is taken. For available dates, see the course catalog at:

<http://commprojects.ihsph.edu/courses>