Environmental Health Sciences

Academic degree programs in the Graduate Group in Environmental Health Sciences (EHS) are recommended for individuals with clear research orientations who wish to complete work of an interdisciplinary nature. Applicants may apply to the MS program, the PhD program, or to the joint MS/PhD program. (Continuation into the PhD program is contingent upon successful completion of the MS requirements or the Graduate Professional MPH degree requirements). EHS is administered within the Division of Environmental Health of the School of Public Health. Although students receive their academic degrees from the graduate group (under the jurisdiction of the Graduate Division of the UC Berkeley campus), students are also affiliated with and apply to the School of Public Health.

Admission to the University

Minimum Requirements for Admission

The following minimum requirements apply to all graduate programs and will be verified by the Graduate Division:

1. A bachelor’s degree or recognized equivalent from an accredited institution;
2. A grade point average of B or better (3.0);
3. If the applicant comes from a country or political entity (e.g., Quebec) where English is not the official language, adequate proficiency in English to do graduate work, as evidenced by a TOEFL score of at least 90 on the iBT test, 570 on the paper-and-pencil test, or an IELTS Band score of at least 7 on a 9-point scale (note that individual programs may set higher levels for any of these); and
4. Sufficient undergraduate training to do graduate work in the given field.

Applicants Who Already Hold a Graduate Degree

The Graduate Council views academic degrees not as vocational training certificates, but as evidence of broad training in research methods, independent study, and articulation of learning. Therefore, applicants who already have academic graduate degrees should be able to pursue new subject matter at an advanced level without need to enroll in a related or similar graduate program.

Programs may consider students for an additional academic master’s or professional master’s degree only if the additional degree is in a distinctly different field.

Applicants admitted to a doctoral program that requires a master’s degree to be earned at Berkeley as a prerequisite (even though the applicant already has a master’s degree from another institution in the same or a closely allied field of study) will be permitted to undertake the second master’s degree, despite the overlap in field.

The Graduate Division will admit students for a second doctoral degree only if they meet the following guidelines:

1. Applicants with doctoral degrees may be admitted for an additional doctoral degree only if that degree program is in a general area of knowledge distinctly different from the field in which they earned their original degree. For example, a physics PhD could be admitted to a doctoral degree program in music or history; however, a student with a doctoral degree in mathematics would not be permitted to add a PhD in statistics.
2. Applicants who hold the PhD degree may be admitted to a professional doctorate or professional master’s degree program if there is no duplication of training involved.

Applicants may apply only to one single degree program or one concurrent degree program per admission cycle.

Required Documents for Applications

1. Transcripts: Applicants may upload unofficial transcripts with your application for the departmental initial review. If the applicant is admitted, then official transcripts of all college-level work will be required. Official transcripts must be in sealed envelopes as issued by the school(s) attended. If you have attended Berkeley, upload your unofficial transcript with your application for the departmental initial review. If you are admitted, an official transcript with evidence of degree conferral will not be required.

2. Letters of recommendation: Applicants may request online letters of recommendation through the online application system. Hard copies of recommendation letters must be sent directly to the program, not the Graduate Division.

3. Evidence of English language proficiency: All applicants from countries or political entities in which the official language is not English are required to submit official evidence of English language proficiency. This applies to applicants from Bangladesh, Burma, Nepal, India, Pakistan, Latin America, the Middle East, the People’s Republic of China, Taiwan, Japan, Korea, Southeast Asia, most European countries, and Quebec (Canada). However, applicants who, at the time of application, have already completed at least one year of full-time academic course work with grades of B or better at a US university may submit an official transcript from the US university to fulfill this requirement. The following courses will not fulfill this requirement:
   • courses of a non-academic nature,
   • courses conducted in a language other than English,
   • courses that will be completed after the application is submitted, and
   • courses of a non-academic nature.

If applicants have previously been denied admission to Berkeley on the basis of their English language proficiency, they must submit new test scores that meet the current minimum from one of the standardized tests. Official TOEFL score reports must be sent directly from Educational Test Services (ETS). The institution code for Berkeley is 4833. Official IELTS score reports must be mailed directly to our office from British Council. TOEFL and IELTS score reports are only valid for two years.

Where to Apply

Visit the Berkeley Graduate Division application page (http://grad.berkeley.edu/admissions/apply).

Admission to the Program

Application to the MS or MS/PhD programs requires an undergraduate degree in one of the natural sciences, commonly biology, chemistry, engineering, or environmental sciences. Admission to the doctoral program generally requires a masters degree in similar fields or in environmental health. In all cases an important aspect of the application for admission is the personal statement indicating an understanding
of the interdisciplinary nature of the field of environmental health, the applicant's future aspirations in the field, and the relevance of their previous academic background and/or their research or professional experience.

Curriculum

Environmental Health Sciences - Required Courses

PB HLTH 270 Introduction to Environmental Health Sciences 3
PB HLTH 270A Exposure Assessment and Control 3
PB HLTH 260A Principles of Infectious Diseases 4
or NUSCTX 110 Toxicology

Curriculum

PB HLTH 292 Seminars for M.P.H. Students 1-4
PB HLTH 212A International Maternal and Child Health 2
PB HLTH 267B Characterization of Airborne Contaminants 4
CIV ENG 111 Environmental Engineering 3
PB HLTH C160 Environmental Health and Development 4
PB HLTH 219E Introduction to Qualitative Methods in Public Health Research 3
PB HLTH 205 Program Planning, Development, and Evaluation 4
PB HLTH 260B Principles of Infectious Diseases 4
PB HLTH 206D Food and Nutrition Programs and Policies in Developing Countries 3
PB HLTH 271G Health Implications of Climate Change 3

Courses for Designated Emphasis in Global Metropolitan Studies

PB HLTH 211 Health and Human Rights 3
PB HLTH 252C Intervention Trial Design 3
CY PLAN 220 The Urban and Regional Economy 3
ESPM 290 Special Topics in Environmental Science, Policy, and Management (P009) 1-4
PB HLTH 253B Epidemiology and Control of Infectious Diseases 3
PB HLTH 271C Drinking Water and Health 3

Elective Courses

Remaining units to be chosen from upper division or graduate courses in the above areas and from courses in a range of closely related fields, including but not limited to the following:

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Normative Time Requirements

Time to Advancement: 4 Semesters

The normal time from entry into the doctoral program to advancement to candidacy is four semesters although it is generally somewhat less for students who complete a masters degree in Environmental Health at Berkeley.

Total Normative Time: 12 Semesters

Curriculum

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PB HLTH 271C Drinking Water and Health 3
For the Biostatistics and Epidemiology requirements any 200 level courses will satisfy the requirements

Prospectus
A preliminary examination including a research prospectus must be successfully completed prior to the qualifying examination.

Time in Candidacy
Dissertation
Dissertation required.