



University of California
San Francisco



MD-MPH Program Handbook

Fall 2017

for applicants for the 2018-2019 academic year

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Please note: Important additional information is on the UC Berkeley School of Public Health website (<http://sph.berkeley.edu>) and Course Catalog.

UCSF Program Director:

Paula Braveman, MD, MPH
Department of Family & Community Medicine
Paula.Braveman@ucsf.edu

Contact Dr. Braveman's assistant:

Julia Acker
Julia.Acker2@ucsf.edu

The UCSF/UC Berkeley MD-MPH program provides an opportunity for UCSF medical students to obtain a Master of Public Health (MPH) degree at UC Berkeley during an additional 11 months of study, usually between the 3rd and 4th year of medical school. Some students obtain their MPH between the end of medical school and the beginning of residency. The program begins in July and ends in May of the following year.

In the application process, applicants choose one of the available 11-month MPH programs:

- [Environmental Health Sciences](#)
- [Epidemiology](#)
- [Health Policy & Management](#)
- [Interdisciplinary](#)
- [Maternal & Child Health](#)

All MD-MPH students take introductory coursework giving a general overview of public health and the basics of epidemiology, health policy and administration, and the social and behavioral sciences as applied to public health.

The purpose of the MD-MPH program is to equip medical students with the skills, knowledge, and awareness to become physicians who effectively promote public health in diverse ways:

- Some MD-MPH graduates will have careers as full-time clinicians whose clinical practice is enriched by their knowledge of health promotion and their ability to read the epidemiologic literature critically.
- Many will combine clinical work with research and/or involvement in designing/directing programs or policies at the community, state, national, or international levels.
- Some students pursue MPH training to prepare for academic careers in which the tools of epidemiology and biostatistics will give them a solid basis for conducting research in diverse clinical or public health areas.
- Students who are not primarily oriented toward research or academic careers also seek training in epidemiology (and other public health areas), in order to:
 - Conduct the systematic needs assessments that are often essential components of grant proposals to support community-based health programs; and
 - Design and conduct evaluations of community-based health programs, which are needed to obtain continuing funding and influence policy.

What is public health?

- Recognizing health as a societal as well as individual responsibility
- Focusing on communities and populations, not just individuals
- Considering and addressing any factor that has major impact on health, regardless of whether it has to do with healthcare services
- The art and science of preventing disease and promoting health of populations through organized efforts of society

ACADEMIC ADVISING

Paula Braveman, MD, MPH, professor in the UCSF Department of Family and Community Medicine, is the UCSF academic advisor for all UCSF students during their MPH program.

TUITION AND FINANCIAL AID

For the MPH, students shift their primary enrollment to UC Berkeley, where they pay tuition and request financial aid. Every MD-MPH student has a faculty advisor in her/his program area at UC Berkeley. MD-MPH students have generally qualified for financial aid in the form of loans at UC Berkeley, but have rarely received grants. A limited number of University fellowships are available from UC Berkeley on a highly competitive basis.

CLINICAL EXPERIENCE

MD-MPH students are encouraged to maintain some ongoing clinical experience (e.g., as volunteers in the homeless clinic or through longitudinal clinics) during the MD-MPH program. Because students maintain “Off Campus” registration at UCSF while at the UC Berkeley MPH, they retain liability insurance coverage. Class schedules permit most students to maintain some clinical involvement and often also to participate in a public health program or research project.

APPLICATION PROCESS

The application process begins approximately 1 year before the MPH year begins (e.g., a student planning to enroll in the 2018-2019 program will begin the application process in the fall of 2017).

ADMISSION

In the past, all UCSF applicants in good standing have been admitted, although not always in their preferred program area. In recent years, between 4-13 students have been enrolled.

Additional information about the UC Berkeley School of Public Health, including course listings, is available at the UC Berkeley website: <http://sph.berkeley.edu/>.

MD-MPH Program Contact Information

UCSF Faculty and Staff:

Paula Braveman, MD, MPH	Program Director	(415) 476-6839	Paula.Braveman@ucsf.edu
Julia Acker	Program Assistant	(415) 476-6839	Julia.Acker2@ucsf.edu
LJ Moore- McClelland	Educational Assessment & Professional Development Coordinator	(415) 476-1217	<a href="mailto:Laura.Moore-
McClelland@ucsf.edu">Laura.Moore- McClelland@ucsf.edu
Cha Vioria	UME Advisor/Specialist	(415) 476-8084	Cha.Vioria@ucsf.edu
Carole Ann Simpson	SOM Financial Aid Advisor*	(415) 476-8084	Carole.Simpson@ucsf.edu

***For the MPH year, students will need to apply for financial aid through UC Berkeley, but Carole Ann Simpson can provide useful guidance if needed. See Page 9 for more details.**

UC Berkeley MPH Contacts:

Application/Admissions Questions: Corey Hill, sphadmit@berkeley.edu or 510-642-7675.

Course Scheduling: Please contact the [program coordinator](#) of the area of concentration you are applying to. [Please refer to the UC Berkeley website for the most current information.]

Program Coordinators (Administrative contacts):

Environmental Health Sciences Norma Firestone	ehs_div@berkeley.edu
Epidemiology Janene Martinez	icarolm@calmail.berkeley.edu
Health Policy and Management Carol Wong	hpm_chs@berkeley.edu
Interdisciplinary (Open)	ipmph@berkeley.edu
Maternal and Child Health Marissa McKool	mchprogram@berkeley.edu

MD-MPH Application Process

2017 Provisional Timeline

SEPTEMBER - OCTOBER:

- ❑ **Attend an informational group meeting held by Dr. Braveman** to learn more about the program. Tuesday, October 3 and Thursday, October 5, 5:30-7 in N617 (same agenda both meetings; attend only one).

If you have any questions about the informational meeting, please email Julia Acker Julia.Acker2@ucsf.edu

- ❑ After attending a group meeting, **schedule an individual meeting with Dr. Braveman** by contacting Julia Acker (Julia.Acker2@ucsf.edu). The purpose is to help you decide if the MD-MPH is a good fit for your career goals and to provide advice on which concentration area (also called a “track”) may be the best fit.

IMMEDIATELY:

- ❑ **Confirm your intent to apply** by emailing LJ Moore-McClelland at laura.moore-mcclelland@ucsf.edu.
- ❑ **Order MCAT scores and academic transcripts:** Order one set of MCAT scores from <https://services.aamc.org/mcatthx/> or by phone at 202-828-0690 and one set of transcripts from all colleges and universities attended, including UCSF. These should be sent directly to [SOPHAS](#) (Schools and Programs of Public Health), the agency that coordinates applications to almost all schools of public health in the U.S.

NO LATER THAN NOVEMBER 15, 2017:

- ❑ **Contact Malcolm Hamilton (Malcolm.Hamilton@ucsf.edu) to schedule a meeting for you with both Cha Vilorio and Dean Lee Jones, MD**, to plan how the MPH will fit into your UCSF curriculum.
- ❑ **Request a letter of recommendation from the Dean** by providing **LJ Moore-McClelland** with a copy of:
 - 1) your CV; 2) your draft essay (required by SOPHAS and Berkeley); 3) the “letter of support from the Dean” request form; and 4) the “Request for Extended Program” form

Both forms are found here: <http://meded.ucsf.edu/mse/forms>

Please be sure to indicate on this form ALL schools/MPH programs you plan to apply to, even those from which you are not requesting a letter of support from UCSF.

BY EARLY-NOVEMBER:

UC Berkeley's application deadline is **DECEMBER 1, 2016 (11:59 PM, EST)**.

Dual submission process:

- Complete and submit your application through SOPHAS**
 - Include contact info for 3 references – one of whom will be Dean Jones
 - SOPHAS can be reached at 617-612-2090 for assistance.

- Complete and submit a UC Berkeley graduate school application as well:** <https://gradadmit.berkeley.edu/apply/start.html>

Helpful information from UCB SPH regarding these two applications is available here*:

<http://sph.berkeley.edu/admissions/requirements>

*Please note that there are a few differences in the application process for UCSF medical school students applying to the UC Berkeley/UCSF MD-MPH program compared to non-UCSF candidates:

- Taking the GRE is not necessary for MD-MPH applicants from UCSF; MCAT scores are accepted instead.

- **UCB will waive the application fee for UCSF applicants, but you need to do the following [follow these directions rather than using the online waiver form]:**
 - Choose MPH/MD as your program on the application
 - When you get to payment section, you must choose “Apply for fee waiver.” There will be no actual paperwork to fill out – the waiver will be applied behind the scenes

Fall 2017 Application Checklist

School of Public Health, University of California, Berkeley

This checklist is for applicants who are currently enrolled in the UCSF medical school.

Online Applications

- Fill out the UC Berkeley Graduate Application for Admission and Fellowships, available at www.grad.berkeley.edu/admissions. If you want to be considered for financial aid, you must fill out the Fellowships portion of the UC Berkeley Graduate Application. The UC Berkeley Graduate Application Fee will be waived for current UCSF medical students. Be sure to choose “MD/MPH” as your program then choose the “fee waiver” option on the payment page.
- When designating your degree and area of concentration on the UC Berkeley Graduate Application, you should choose “Public Health & Medicine MPH/MD” as your Program.
- Fill out the SOPHAS Application, available online in mid-August at www.sophas.org. You should designate one of the 11-month MPH programs in Environmental Health Sciences, Epidemiology, Health Policy and Management, Interdisciplinary, or Maternal & Child Health.
- Be sure to answer the Additional Questions that are linked from your UC Berkeley school designation on the SOPHAS Application. You will need to enter your 10-digit Applicant ID number, which is available in your UC Berkeley Graduate Application.
- Please check the status of your application on the SOPHAS portal frequently throughout the admissions cycle, including after you complete and submit your application. If your application appears as “Undelivered” at any time, immediately contact SOPHAS at sophasinfo@sophas.org to rectify the situation.

Letters of Recommendation

- Three Letters of Recommendation are required, one of whom will be from the UCSF Dean. Letters of Recommendation must be electronically submitted through SOPHAS.

Essays

- Compose your School of Public Health-specific Statement of Purpose. Please see program-specific instructions, if applicable, at sph.berkeley.edu on the Admissions home page. Submit your Statement of Purpose on both the SOPHAS Application and the UC Berkeley Graduate Application. They must be identical.
- Compose your Personal History Statement (limit 4000 characters). Submit your Personal History Statement under the “Additional Questions” portion of the SOPHAS Application and on the UC Berkeley Graduate Application. They must be identical.

Transcripts

- Request that one (1) copy of your transcripts for all courses taken since high school be sent to SOPHAS
at: SOPHAS
P.O. Box 9111
Watertown, MA 02471-9111
- Make sure your transcripts are postmarked by November 22nd if sending by standard post.
- You will also need an official or unofficial copy of your transcript on hand to enter your coursework on SOPHAS; make sure you have access to your coursework to complete this step.

- If you are admitted and decide to attend Berkeley, we will require an official transcript to be sent directly to Berkeley. Please do not send any transcripts to Berkeley unless instructed to do so.

MCATs

- Submit your MCAT scores to SOPHAS; instructions are available at <http://www.aamc.org/students/mcat/sendscores/releasingscores.htm>.

***Application Deadline**

- Both the SOPHAS Application and UC Berkeley Graduate Application may be electronically submitted as late as 11:59 pm EST on December 1st.
- Official MCAT, GRE and/or TOEFL scores must be reported to SOPHAS and UC Berkeley's School of Public Health no later than December 1st.
- Your references must submit their Letters of Recommendation to SOPHAS no later than December 1st.
- Official transcripts sent to SOPHAS must be postmarked by November 22nd at the latest.

To apply for financial aid, submit the Free Application for Federal Student Aid (FAFSA). FAFSA forms are available at www.fafsa.ed.gov. We recommend that you complete and submit a FAFSA by March 1st. The University of California, Berkeley Title IV code for the FAFSA is 001312.

For further information about financial aid, contact:

Financial Aid Office, Graduate Unit (Cal Student Central) On the

Web at: <http://financialaid.berkeley.edu/>

Contact Us: <http://studentcentral.berkeley.edu/open-case>

More Information:

Application/Admissions Questions: Corey Hill, sphadmit@berkeley.edu or 510-642-7675.

Course Scheduling: Contact the [program coordinator](#) of the concentration area you are applying to.

Fees and Financial Aid

2017-2018 Fees*		Summer 2017	Fall 2017	Winter 2018	Spring 2018	Total
CA Residents	UCB MPH (Semesters)	4,422**	13,501.75	n/a	13,501.75	31,425.50***
CA Residents	UCSF (Qtrs)	5,052	13,252	13,210	13,209	44,723

(Additional non-resident fees apply if student has not met qualifications for state residence. See <http://registrar.ucsf.edu/registration/residency> for more information.)

*reflects latest fee information available in June, 2017

**MPH summer tuition includes \$326 UC Campus Fee + \$512 per unit (most students take 8 units total)

***includes an additional \$89 “new student” fee

<http://registrar.berkeley.edu/tuition-fees-residency/tuition-fees/fee-schedule#info>

<http://summer.berkeley.edu/application/fees>

<https://registrar.ucsf.edu/registration/fees/medicine>

Important financial considerations for UCSF medical students pursuing the MPH at UC Berkeley:

- ✓ Because the MPH at Berkeley begins in the Summer semester and continues through a Fall and Spring semester, students are enrolled during two different academic years at Berkeley.
- ✓ Berkeley’s academic year begins in Fall, and UCSF begins the academic year in Summer. From a financial aid standpoint, this means that for the MPH at Berkeley for UCSF students, Summer semester aid is based on one academic year and Fall and Winter on the next. Students will be required to submit FAFSA information and apply at UCB’s financial aid office for both years to be eligible for funding for the entire program.
- ✓ Because UCSF students may have taken out the maximum Direct Unsubsidized loan for their previous three quarters at UCSF within the same academic year, Direct Graduate Plus loans may be the only loan available for the Summer term. In addition, the maximum annual Direct Unsubsidized Loan for an MPH program is \$33,000 – additional borrowing would be Grad Plus loans. This annual maximum is different because of the type of program.
 - (By contrast, while enrolled on this campus, medical students qualify for more generous annual Direct Unsubsidized Loan limits because of an additional federal allowance for health profession programs including allopathic medicine.)

We encourage you to meet with Carole Ann Simpson (carole.simpson@ucsf.edu), the School of Medicine Financial Aid Advisor at UCSF to discuss the impact of the MPH on your overall borrowing or financial aid package at UCSF.

Financial Aid

MD-MPH students will need to apply for and receive aid from the UCB Financial Aid Office. There is no set financial aid package students receive from UCB, and it can differ from what they receive at UCSF. Past students have generally qualified for financial aid in the form of loans at UC Berkeley, but have rarely received grants. A limited number of University fellowships are available from Berkeley on a highly competitive basis.

Due to the high volume of graduate admissions across campus, loan packages are created by the Berkeley Financial Aid and Scholarships Office (FASO) only after an admitted student submits the Statement of Intent to Register (SIR). For more information about loans and need-based financial aid see: <http://financialaid.berkeley.edu/>

While there are a variety of merit-based scholarships/awards available, there is no guarantee that each applicant will

be a recipient. If selected for any of these awards, the applicants will be notified around late-February/early-March.

Additional opportunities for funding:

- Graduate Student Instructor/Researcher (GSI/GSR) appointments which pay a salary and about 2/3 of fees for the semester of employment
- Employment opportunities via our School of Public Health job site that are restricted to our students
- Non-loan funding opportunities which can be found via this link: http://sph.berkeley.edu/sites/default/files/fellowship_and_research_grants.pdf
- Federal Loans/Need-based financial aid; be sure to apply for FAFSA

MPH Concentration Areas (“Tracks”)

There are five different tracks for the 11-month MD-MPH program: Environmental Health Sciences (EHS), Epidemiology, Health Policy and Management (HPM), Interdisciplinary, and Maternal and Child Health (MCH). Below are brief descriptions of each, excerpted from UC Berkeley materials. All courses of study run from July through May and consist of 42 units.

Some areas/tracks may have special Statements of Purpose requirements. Sample curricula are subject to change. Please visit the program’s UC Berkeley website for the most current information.

1. [Environmental Health Sciences](#)

Curriculum & Requirements: Sample curriculum attached; see course offerings online on UCB website. This track requires a comprehensive examination consisting of written and oral components covering subject matter in the core courses; the exam is administered during the student’s last semester of attendance (usually in early April).

2. [Epidemiology](#)

Curriculum & Requirements: Sample curriculum attached; see course listings online on UCB website. A paper is required for completion of the program, which can be a systematic review of the literature on an epidemiologic topic, a meta-analysis, or the protocol for an epidemiologic study. This program prepares students for careers in research and/or as clinicians who wish to be able to read the scientific literature critically.

3. [Health Policy & Management](#)

Curriculum & Requirements: Sample curriculum attached and see courses online. The degree includes a year-long practicum requirement that can be worth up to 5 units. This program prepares students for leadership roles in health care services, management, and policy.

4. [Interdisciplinary](#)

Curriculum & Requirements: Sample curriculum attached and see course offerings online on UCB website. The one-year program also requires completion of a year-long, mentored scholarly project (this is an MPH Project, *not a thesis*). Projects may take a variety of forms including: research studies, needs assessments, program evaluations, or policy analyses. Projects are presented at the end of the Spring semester in written and oral formats, and fulfill the School of Public Health Comprehensive Exam requirement. Students, in consultation with their faculty advisers, develop an individualized course of study tailored to meet their career objectives. This track offers the most curricular flexibility; because of this, it is often in great demand and students who choose it need to select an alternate track as well, as places are limited.

5. [Maternal & Child Health \(MCH\)](#)

Curriculum & Requirements: **Sample curriculum attached, and see course offerings online on UCB website.** This track trains health professionals who have had significant experience in maternal and child health, to become leaders in the field. A comprehensive exam/capstone research project is required for completion of the program. This program provides strong training both in epidemiology/biostatistics and in public health programs and policy.

CURRICULUM IN ENVIRONMENTAL HEALTH SCIENCES (EHS) MPH PROGRAMS

The EHS curriculum prepares students to assess the health impacts of physical, chemical, and biological agents in the environment and workplace, and the means for their measurement and control. EHS integrates several disciplines with emphasis on assessment of exposures to environmental contaminants, global environmental health, toxicology, environmental and occupational epidemiology, infectious disease and environment, risk assessment, control strategies, and policy solutions. Students learn to apply tools in these disciplines to problems in both domestic and international settings.

REQUIREMENTS FOR THE MPH IN ENVIRONMENTAL HEALTH SCIENCES (EHS)

The curriculum for MPH students is a combination of elements developed by the School of Public Health for all students and those developed by the EHS Division for its students.

SPH Required Courses

- PB HLTH 200J Health Policy & Management Breadth (Fall)
- PB HLTH 200L Health and Social Behavior Breadth (Fall)

Essential Methods Courses

- PB HLTH 250A & PB HLTH 250B Epidemiologic Methods I or II
- PB HLTH 142 Biostatistics – Probability and Statistics (Fall and Spring)
- PB HLTH 145 Biostatistics – Continuous Outcome Data (Fall)

EHS Core Courses

- PB HLTH 270 Introduction to Environmental Health Sciences (Fall)
- PB HLTH 270B Toxicology (Spring)
- PB HLTH 270A Exposure Assessment and Control I (Spring)
- PB HLTH 220C Risk Assessment, Regulation, and Policy (Spring)
- PB HLTH 271E Science and Policy for Environmental Health (Spring)

“Selectives” (Students must take at least one of these)

- PB HLTH 256 Human Genome, Environment, and Public Health (Spring)
- PB HLTH 254 Occupational and Environmental Epidemiology (Offered Spring 2018)
- PB HLTH 290 Environmental Determinants of Infectious Disease (Fall)
- CY PLAN 204C Introduction to GIS and City Planning (Spring)

Seminar and Field Placement

- PB HLTH 292 MPH Seminar (3 units, graded)
- PB HLTH 297 (Enroll in final years spring semester)

Strongly Recommended Electives

- PB HLTH 269E Current Topics in Environmental Medicine, (3 units) (Fall)
- PB HLTH 254 Occupational and Environmental Epidemiology (3 units) (Spring)
- PB HLTH 204C Introduction to GIS and City Planning
(City & Regional Planning) (4 units) (Spring)
- CE 265 Traffic Safety and Injury Prevention (3 units) (Fall)
- PB HLTH 290 Social Justice and Worker Health (2-3 units) (Fall, Spring)

Advanced EHS Courses - Electives

- PB HLTH 267B Characterization of Airborne Contaminants (3)
(Spring, alternating odd years)
- PB HLTH 290 Exposure Assessment & Control II (Spring, alternating even years)

PB HLTH 269C	Occupational Biomechanics (3) (Spring)
PB HLTH 269D	Ergonomics Seminar (2) (Fall)
PB HLTH 269E	Current Topics in Environmental Medicine (3) (Fall)
PB HLTH 271C	Drinking Water and Health (3) (Spring)
PB HLTH 290X	Global Air Quality and Public Health (2) (Spring)
PB HLTH 271G	Public Health Implications of Global Climate Change (3) (Spring)

NOTE: Additional elective units are required.

SAMPLE SCHEDULE FOR EHS MPH STUDENTS

11-month Schedule

Summer Session		Units
PB HLTH 141	Intro to Biostatistics	5
PB HLTH 250A	Epidemiologic Methods	3
Fall Semester		Units
PB HLTH 200C1	Intro to Health Policy & Management	2
PB HLTH 270B	Advanced Toxicology	3
PB HLTH 270	Intro Env. Health	3
PB HLTH 269E	Topics in Environmental Med	2
PB HLTH XXX	Elective	5
Spring Semester		Units
PB HLTH 200C3	Intro to Health & Social Behavior	2
PB HLTH 220C	Health Risk Assessment, Policy & Regulation	4
PB HLTH 269C	Occupational Biomechanics	4
PB HLTH 270A	Exposure Assessment & Ctl.	3
PB HLTH 271E	Science & Policy for Env. Health	3
PB HLTH XXX	Statistics Elective	3

CURRICULUM

Each student is expected to work closely with an assigned faculty adviser in the planning of his or her individual schedule of courses. Students in the one-year MPH programs must meet all school-wide breadth requirements, either by passing the appropriate exemption exams or by taking courses that are approved for meeting these requirements.

The one year MPH curriculum in epidemiology is an intensive, full-time course of study extending over eleven months (July to May) and requiring enrollment during the summer, fall, and spring. In addition to completing required school-wide breadth courses in public health, students are required to complete advanced coursework in epidemiologic and biostatistical methods, and electives in epidemiology. Students in the one-year MPH program are expected to take PB HLTH 200J, PB HLTH 200L, PB HLTH 250B and PB HLTH 290 during the fall semester and PB HLTH 200K, PB HLTH 241, and/or Epidemiology electives in the spring semester, all for a letter grade. All students in the one-year MPH program must take the epidemiology seminar PB HLTH 292 in the fall and spring semesters. The seminar is graded on a satisfactory/unsatisfactory basis only.

Students are also required to write a master's paper on an epidemiologic topic previously approved by and under the supervision of the faculty and to present and defend their master's paper during a required oral examination in the spring semester prior to graduation.

IMPORTANT NOTE: Breadth courses MUST BE TAKEN FOR A LETTER GRADE and a student must receive a B- or above to fulfill this requirement. Exceptions to this policy are rare and made on a case-by-case basis.

SAMPLE SCHEDULE

11-month Schedule

Summer Session D		Units
PB HLTH 141	Intro to Biostats	5
PB HLTH 299	Independent Study	3
Fall Semester		Units
PB HLTH 200J	HPM Breadth	2
PB HLTH 200L	HSB Breadth	2
PB HLTH 290	Applied Linear Models	4
PB HLTH 250B	EPI methods II	4
PB HLTH 292	Seminar for 11-mo students	2
	Electives as desired	≥3
Spring Semester		Units
PB HLTH 200K	EHS Breadth	
PB HLTH 241	Anal Categorical Data	4
PB HLTH 292	MPH Seminar	2
PB HLTH 299	Independent Study	3
	Electives as desired	≥6

ONE-YEAR MPH CURRICULUM**11-Month MPH Program**

The eleven-month option is available to doctoral-level clinical students or applicants with doctoral-level clinical degrees (such as physicians, dentists or PharmDs). This 42-unit course of study runs from early July through mid May, and includes a practicum completed over the fall and spring semesters. Eleven-month students are exempt from the final placement.

School-wide Requirements (12 units)		Units	Semester
PB HLTH 141	Introduction to Biostatistics	5	Summer
PB HLTH 200K	Environmental Health Sciences Breadth Course	2	Fall
PB HLTH 200L	Health and Social Behavior Breadth Course	2	Spring
PB HLTH 250A	Epidemiologic Methods	3	Summer
HPM Program Required Courses (15 units)		Units	Semester
PB HLTH 200	Health Policy Decision-Making	3	Fall
PB HLTH 223D	Foundations of Health Policy and Management	2	Fall
PB HLTH 223E	Capstone in Health Policy and Management	2	Spring
PB HLTH 226A or PB HLTH 226B	Health Economics A or Health Economics B	2	Fall
PB HLTH 227A*	Health Care Finance	3	Spring
PB HLTH 231A	Analytic Methods for Health Policy and Management	3	Spring
One of the two following courses			
PB HLTH 223C*	Strategic Management and the Organization of Health Services	3	Spring
PB HLTH 224A	Health Care Organizations and Management	3	Spring
HPM Practicum		Units	Semester
Additional elective units (variable units)		1-5	Fall/Spring

ONE-YEAR SAMPLE SCHEDULE**11-Month Sample Schedule (42 units)**

Summer Semester		Units
PB HLTH 141	Introduction to Biostatistics	5
PB HLTH 250A	Epidemiologic Methods I	3
Fall Semester		Units
PB HLTH 200L	Health and Social Behavior Breadth Course	2
PB HLTH 220	Health Policy Decision-Making	3
PB HLTH 223D	Foundations of Health Policy and Management	2
PB HLTH 226A	Health Economics A or	2
PB HLTH 226B	Health Economics B	2
PB HLTH 299	Practicum	1-5
PB HLTH XXX	Elective(s)	
Spring Semester		Units
PB HLTH 200K	Environmental Health Sciences Breadth Course	2
PB HLTH 223C ^{1*}	Strategic Management and the Organization of Health	3
PB HLTH 224A ¹	Services or Health Care Organizations and Management	3
PB HLTH 223E	Capstone Seminar in Health Policy and Management	2
PB HLTH 227A*	Health Care Finance	3
PB HLTH 231A	Analytic Methods for Health Policy and Management	3
PB HLTH XXX	Elective(s)	

1-YEAR SAMPLE SCHEDULE

Recommended 1-year Interdisciplinary Course Selection (all must be taken for a letter grade except where noted.)

Summer Semester		Units
PB HLTH 250A	Epidemiological Methods	3
PB HLTH 141	Introduction to Biostatistics	5
PB HLTH 293	Summer Interdisciplinary Seminar (S/U grading option only)	1
Fall Semester		Units
PB HLTH 142	Intro to Probability & Statistics in Biology & PH (if summer PH141 not taken)	4
PB HLTH 200J	Health Policy and Management Breadth Course (half semester)	2
PB HLTH 200K	Environmental Health Sciences Breadth Course (half semester)	3
PB HLTH 292(12)	Interdisciplinary Seminar	3
PB HLTH 250A	Epidemiologic Methods I	3
or PB HLTH 250B	Epidemiologic Methods II (Note: PB HLTH 250A and/or 250B not needed if PB HLTH 250A was taken in summer)	4
PB HLTH 2XX	Electives (to be chosen by student)*	5-8
Spring Semester		Units
PB HLTH 292(7)	Interdisciplinary Seminar	4
PB HLTH 200L	Health and Social Behavior Breadth Course	2
PB HLTH 291A	Preparation for Public Health Practice Workshop Series (S/U grading option only) <i>(PH291A is not required but is highly recommended)</i>	1
PB HLTH 2XX	Electives (to be chosen by student)*	5-8

*Electives are chosen in collaboration with Faculty Adviser, customized to provide the skills for each student's desired career path. Students must have approval of their Faculty Adviser for elective courses taken outside the School of Public Health.

III. Interdisciplinary Capstone

COMPREHENSIVE EXAM

The Interdisciplinary Program Project spans eleven months and fulfills the School of Public Health's Master-level requirement for a practicum or field experience. The culminating assignments—an oral presentation to peers and colleagues, and a final project report worthy of publication—serve as the oral and written components of the comprehensive examination required for graduation. Please review the following guidelines carefully to ensure that you meet all requirements.

Oral Presentation Guidelines

Your oral presentation serves as the oral component of your comprehensive examination required for graduation. The presentation should describe what your project is designed to deliver and the outcomes you anticipate or hypothesize. Make sure to present your data, even if you have not completed the analysis. *If your data gathering and analysis is not complete at the time of your oral presentation date, don't worry. You may call it a "work in progress."*

The oral presentation is not supposed to be a presentation of the written paper; rather, it is a demonstration that affirms your understanding of PH investigative processes, the appropriate use of statistical tools, and your ability to present. Presentations should include the following elements:

- » Project selection
- » Project rationale and public health significance
- » Overall project goal(s)
- » Project objectives and how they address the stated goal(s)
- » Study design and how/why you arrived at it
- » Statistical analysis process
- » Results - real or hypothesized, depending on your progress at the time of presentation
- » Project impact: What is the relevance of this work in the bigger picture? Has it, or will it actually affect the lives of the people whose needs you sought to address?
- » Plans for project sustainability and dissemination
- » Project limitations and changes you would make if you had the opportunity to start over

Final Report Guidelines

The written final report fulfills the written comprehensive examination requirement for the MPH degree. This is an opportunity to demonstrate that you can apply knowledge and principles learned from your coursework in addressing a current public health challenge.

Your project papers should be in publishable condition with respect to spelling, grammar, and organization.

II. Maternal and Child Health Curriculum

ONE-YEAR MPH CURRICULUM

The 1-year MPH curriculum in Maternal and Child Health (MCH) is offered to health professionals with experience in health services for women, children, and families (physicians, nurses, psychologists, social workers, and other masters-level professionals). It is an intensive, full-time course of study running from July to May (11 months). The program requires completion of at least 16-18 units of coursework in the fall and spring semesters. Curricular requirements are summarized below.

The 1-year program also requires completion of a capstone research project completed by the student during the year. This project satisfies the comprehensive examination requirement as well as the final practicum requirement. Projects are presented at the end of the fall and spring semesters in written and oral formats.

In addition to these requirements, students in the 1-year program may be able to transfer 4 units of graduate level coursework from an accredited medical school or other masters' level program that they have already completed. Please note that students must petition the Graduate Division in order to transfer units.

SUMMER SESSIONS

The School of Public Health offers several courses during Summer Sessions. Introduction to Biostatistics (PH 141) and Epidemiologic Methods I (PH250A) can fulfill two of the MPH Degree breadth requirements and are generally offered in the session beginning in early July. Please check the online schedule for summer session courses and exact dates. Registration for incoming graduate students is usually available in June. More information can be found at summer.berkeley.edu.

One-year program students who plan to take the exemption exam(s) for Introduction to Biostatistics or Epidemiologic Methods I should still plan to complete at least four course units during Summer Sessions. Students must consult with the MCH Assistant Director regarding alternative courses and procedures for pursuing an exemption.

NOTE: Modifications in program requirements and course offerings may occur from year to year.

REQUIRED COURSES

Summer		Units
PB HLTH 141*	Introduction to Biostatistics	5
PB HLTH 250A*	Epidemiological Methods I	3
TOTAL		8 units

Fall		Units
PB HLTH 200J	Health Policy & Management Breadth	2
PB HLTH 200L	Health and Social Behavior Breadth	2
PB HLTH 210	Foundations of MCH Policy, Practice, & Science	3
PB HLTH 210E	Practicum in MCH Data Analysis I	3
PB HLTH 290**	Applied Linear Models	4
PB HLTH 299***	Independent Research – Capstone Project or Electives	2-4
TOTAL		16-18 units

Spring		Units
PB HLTH 200K	Environmental Health Sciences Breadth	2
PB HLTH 205****	Needs Assessment & Program Planning Development	4
PB HLTH 210F	Practicum in MCH Data Analysis II	1-4
PB HLTH 218B**	Evaluation of Health and Social Programs	4
PB HLTH 299***	Independent Research Study – MCH Capstone Electives	4 3
TOTAL		16 units

*This requirement may also be fulfilled by completing an approved higher-level alternative course or by passing an exemption exam. Alternatives should be discussed with the MCH Assistant Director.

**This requirement can also be fulfilled by PB HLTH 245 Introduction to Multivariate Statistics.

***4 units of independent study with your capstone adviser may be taken in the fall or spring, or split between semesters.

****This requirement can also be fulfilled by PB HLTH 218B Evaluation of Health & Social Programs, offered in the fall.