Administrative Officers
Ronald J. Daniels  
President of the University
Michael J. Klag  
Dean
Stephen Gange  
Senior Associate Dean for Academic Affairs
Jane Schlegel  
Senior Associate Dean for Finance and Administration
Thomas Burke  
Associate Dean for Public Health Practice and Training
Janet DiPietro  
Associate Dean for Research and Faculty
Joshua Else  
Associate Dean for External Affairs
Laura Morlock  
Associate Dean for Education
Michael Ward  
Associate Dean for Student Affairs

Nondiscrimination Policy
Johns Hopkins University is committed to recruiting, supporting, and fostering a diverse community of outstanding faculty, staff, and students. As such, Johns Hopkins does not discriminate on the basis of gender, marital status, pregnancy, race, color, ethnicity, national origin, age, disability, religion, sexual orientation, gender identity or expression, veteran status, or other legally protected characteristic in any student program or activity administered by the university or with regard to admission or employment.

Questions regarding Title VI, Title IX, and Section 504 should be referred to the Office of Institutional Equity, Johns Hopkins University, 130 Garland Hall, Homewood Campus, Telephone: 410-516-8075, (TTY): 410-516-6225. Please note that the Office of Institutional Equity’s Director for Equity Compliance and Education is the Title IX Coordinator for Johns Hopkins University.

Accommodations for Persons with Disabilities
The University provides appropriate, necessary and reasonable accommodations to qualified students, faculty and staff who are disabled.

Visit www.jhsph.edu/offices-and-services/student-affairs/disability-support-services for complete information on disability support services at the Johns Hopkins Bloomberg School of Public Health, or contact the disability services coordinator at 410-955-3034 or jhsph.dss@jhu.edu.
This is an exciting time to be involved in public health.

We live in an era in which the importance of public health is reaffirmed every day. Big questions arise constantly: what’s the best way to deliver health care or respond to a natural disaster? How will climate change affect health? How can we ensure clean, safe water for a planet of seven billion?

Some of the important issues that public health professionals are working to solve emerged fairly recently, such as the obesity and diabetes epidemics. Others have been around longer: the HIV/AIDS epidemic is now three decades old, cigarettes were identified as killers more than fifty years ago; malaria has been with us for millions of years.

At the Bloomberg School we nurture scientists, researchers and public health practitioners who are dedicated to finding—and creating—solutions for these and other problems. Some of us strive to influence policy that can correct the social situations that bring on population-wide ill health. Some of us identify disparities and their root causes, while others advise governments on the evidence for the best methods of health care delivery. Indeed, some of us do all of these things.

In our laboratories, cutting-edge ideas, research and equipment allow us to discover the mechanisms of genes, pathogens, and our bodies’ reaction to infection. In the field, we discover ways to improve health on a population level, in both developed and developing nations, and in people of every age, ethnicity and socioeconomic status.

We now serve 2,230 students from 81 countries, with nearly 650 full-time faculty. Our scientists conduct ongoing research projects in the U.S. and in more than 130 countries. And our almost 20,000 highly trained alumni lead ministries of health, international agencies, research institutes and academic programs throughout the world.

With ten departments, more than 60 centers and institutes, a range of degree programs, and a dedication to both research and practice, we offer our student body the best in public health education. We send our graduates into the world to lead in the global defense of human life.

As we prepare for our Centennial in 2016 and reflect on our history as the oldest institution of its kind and the largest school of public health in the world, the Bloomberg School will continue to lead the charge toward better health for all. This year is a time to celebrate a century of pioneering public health achievements and to look forward to the promise of new advances. This Academic Prospectus provides an overview of our departments, describes our degree programs and explains how you can make the academic journey that will allow you to help fulfill this promise and meet a single, profound goal: to protect health and save lives—millions at a time.
At a Glance

Founded
1916 by William H. Welch and John D. Rockefeller

Current Dean
Michael J. Klag, MD, MPH ’87

Students
2,230 from 81 nations

Faculty
643 full-time, 793 part-time

Alumni
50,000+ since 1919

Research
Ongoing in over 130 countries

Location and Contact Information
615 N. Wolfe Street
Baltimore, MD 21205
Phone: 410-955-3543
Fax: 410-955-0464
Website: www.jhsph.edu
Email: jhsph.admiss@jhu.edu

Departments
Biochemistry and Molecular Biology
Biostatistics
Environmental Health Sciences
Epidemiology
Health, Behavior and Society
Health Policy and Management
International Health
Mental Health
Molecular Microbiology and Immunology
Population, Family and Reproductive Health

Highlights
› First institution of its kind worldwide
› Largest school of public health in the world
› Receives 20 percent of all grants and contracts awarded to the 50 accredited U.S. schools of public health
› Ranked No. 1 by U.S. News and World Report since 1994

For more Bloomberg School facts, flip to “A Century of Public Health at Hopkins” (page 4) or visit www.jhsph.edu
Table of
Contents

1  Letter from the Dean
2  School At a Glance
4  What is Public Health?
4  A Century of Public Health at Johns Hopkins
6  Summary of Degrees
8  Chart: Overview of Departments, Degrees & Areas of Study

Departmental and Schoolwide Programs
10  Biochemistry and Molecular Biology
12  Biostatistics
14  Environmental Health Sciences
18  Epidemiology
21  Graduate Training Programs in Clinical Investigations
23  Health, Behavior and Society
26  Health Policy and Management
30  International Health
34  Mental Health
36  Molecular Microbiology and Immunology
38  Population, Family and Reproductive Health
41  Master of Public Health (Schoolwide)

Additional Academic Opportunities
45  Combined Degree Programs
48  Residency Programs
50  Certificate Programs
57  Institutes
57  Postdoctoral Training Programs
57  Research Centers & Institutes
57  Online Learning

Applying to the Bloomberg School
58  How to Apply
61  Chart: Application Requirements
62  Chart: Application Deadlines
63  Academic Calendar
64  Finding Funding
65  Tuition and Living Expenses

Student Life
66  Life in Baltimore
68  Connect with JHSPH
What is Public Health?

Put simply, public health has a bold mission: “protecting health and saving lives—millions at a time.”

In medical fields, clinicians treat diseases or injuries, one patient at a time. But in public health, we prevent disease and injury in communities and populations. We identify causes of disease and disability, and we implement large-scale solutions.

For example, instead of treating a gun wound, we identify causes of gun violence and develop interventions. Instead of treating premature or low birth-weight babies, we investigate the factors at work and we develop programs to keep babies healthy. Instead of prescribing medication for high blood pressure, we examine the links between obesity, diabetes, and heart disease, and use our data to influence policy aimed at reducing all three conditions.

When William Henry Welch founded this school, 100 years ago, the field of public health was smaller. Public health researchers and practitioners focused their work on epidemics, infectious diseases, vaccines, infant survival and similar areas. The field has grown significantly and today public health approaches are used in areas as wide-ranging as epigenetics, chronic disease, mental health, disaster response, refugee health, injury prevention and tobacco control.

We do the research that identifies causes of disease and disability. We advocate for solutions. We consult with policymakers and provide them with the evidence they need to make change. We roll our sleeves up and get to work in communities by influencing policies, identifying trends, implementing solutions, and increasing healthy behavior. As educators, we train the next generation of public health professionals who will create and carry out the programs and policies that improve health.

A Century of Public Health at Hopkins

When Johns Hopkins, philanthropist and Baltimore businessman, died in 1873, he left $7 million to establish the Johns Hopkins University and Johns Hopkins Hospital. At the time, it was the largest philanthropic bequest in U.S. history.

Johns Hopkins University was the first university in the western hemisphere to be based on a model of the European research institution, where research and the advancement of knowledge are intertwined with teaching. Its establishment began a revolution in U.S. higher education.

In 1916, with a grant from the Rockefeller Foundation, William Henry Welch founded the Johns Hopkins School of Hygiene and Public Health. It was the first independent, degree-granting institution for research and training in public health.

Since then, our work has expanded in scope and across the globe. Our microbiologists work to find a vaccine for malaria, while behavioral scientists research ways to discourage populations from smoking. Environmental health scientists work to discover which foods prevent cancer, while health policy analysts evaluate health insurance programs and make recommendations based on their findings. Epidemiologists identify trends in health and illness, looking for links, causes, and interventions in areas such as HIV/AIDS, tuberculosis, and infant mortality. And there is so much more.

A century after our founding, the Johns Hopkins Bloomberg School of Public Health is first among all public health schools in federal grants for research support, and is consistently ranked as the nation’s No. 1 school of public health by U.S. News & World Report.

Join us as we look to another century of “Protecting Health, Saving Lives—Millions at a Time.”
1795
Johns Hopkins is born on his family’s tobacco plantation in southern Maryland

1873
Mr. Hopkins dies, leaving $7 million to establish the Johns Hopkins University and Hospital

1876
Johns Hopkins University is founded in Baltimore

1916
June 13, 1916, Johns Hopkins University receives a grant from the Rockefeller Foundation to establish the School of Hygiene and Public Health

1920
The Certificate of Public Health program is established and William H. Welch founds the American Journal of Hygiene

1922
Biochemist E.V. McCollum and his team discover vitamin D

1939
The Certificate of Public Health (CPH) becomes the Master of Public Health (MPH) degree, creating the template for other public health programs around the world

1948
Immunologists David Bodian, Howard Howe and Isabel Morgan from the Department of Epidemiology, identify three types of poliovirus, laying groundwork that leads to the Salk polio vaccine

1957
Alumnus Leroy Burney is the first Surgeon General to officially declare that cigarette smoking is a causative factor of lung cancer

1963
Toxicologist Anna Baetjer, one of the first scientists to identify the relationship between occupation and lung cancer, establishes a research and training program at Johns Hopkins in environmental toxicology

1966-1977
Dean Emeritus and alumnus D.A. Henderson leads the World Health Organization campaign to eradicate smallpox

1974
Susan P. Baker develops a key tool in injury prevention called the Injury Severity Score

1976-1980
Dean Emeritus Alfred Sommer proves a 4-cent dose of vitamin A prevents blindness and dramatically reduces childhood mortality

1979
Immunologists David Bodian, Howard Howe and Isabel Morgan from the Department of Epidemiology, identify three types of poliovirus, laying groundwork that leads to the Salk polio vaccine

1980
Epidemiologist B. Frank Polk achieved international recognition for his AIDS expertise, devising studies of the natural history of the disease before the HIV virus was even discovered

1999
Virologist Keerti Shah co-authors the definitive epidemiology study linking cervical cancer to human papilloma virus (HPV), paving the way for diagnostic testing and the eventual vaccine

2001
The School’s name is changed to the Johns Hopkins Bloomberg School of Public Health to honor the support and contributions of Michael Bloomberg

2006
Faculty members Ronald Gray and Maria Wawer demonstrate reduction of HIV transmission by circumcision

2008
Nobel laureate Peter Agre leads the Johns Hopkins Malaria Research Institute in novel research aimed at reducing and eliminating malaria

THE FUTURE
How will you make public health history?
The Johns Hopkins Bloomberg School of Public Health offers nine graduate degrees (six master’s and three doctoral) that will help students hone their skills and become exemplary public health professionals.

**Master’s Degrees**
- Master of Health Administration (MHA)
- Master of Health Science (MHS)
- Master of Public Health (MPH)
- Master of Public Policy (MPP)
- Master of Science (ScM)
- Master of Science in Public Health (MSPH)

**Doctoral Degrees**
- Doctor of Philosophy (PhD)
- Doctor of Public Health (DrPH)
- Doctor of Science (ScD)

### Summary of Degrees

#### MASTER’S DEGREES

**Master of Health Administration (MHA)**
The MHA offered through the Department of Health Policy and Management is designed to prepare students to begin or advance their careers in management and leadership positions within health services organizations. The program emphasizes the conceptual and analytical skills required to understand and manage today’s healthcare organizations and to prepare for tomorrow’s challenges. It is an accelerated, cohort-based program that focuses on the U.S. healthcare system.

The program seeks students from a broad range of academic and professional backgrounds. MHA graduates find careers in hospitals, health systems, consulting firms and other health sector businesses.

For more information about the MHA, see page 26 or visit [www.jhsph.edu/academics/degree-programs/masters-programs/master-of-health-administration](http://www.jhsph.edu/academics/degree-programs/masters-programs/master-of-health-administration)

**Master of Health Science (MHS)**
The MHS is a specialized degree offered by each academic department of the Bloomberg School. MHS programs focus on a single branch of public health so that students can receive in-depth training in addition to a broad-based perspective of the field.

MHS students range from recent college graduates to mid-career professionals interested in changing or enhancing their careers. Typical MHS graduates go on to research careers or further graduate study.

Because the MHS programs vary in content and admissions requirements, interested students should contact their program of interest for detailed information.

For more information about the MHS, see the appropriate department or visit [www.jhsph.edu/academics/degree-programs/masters-programs/master-of-health-science](http://www.jhsph.edu/academics/degree-programs/masters-programs/master-of-health-science)

**Master of Public Health (MPH)**
The Schoolwide MPH provides integrated training in the core competencies of public health, providing the knowledge and skills needed to define, critically assess and resolve public health problems. The MPH program is designed for professionals with prior field or academic experience who are interested in making a difference in the health of populations. Medical students are eligible for the MPH program after they have completed their second year of medical school. The Bloomberg School’s MPH graduates represent a wide variety of professions, including clinicians, attorneys, social workers, researchers, teachers and social scientists.

For more information about the Schoolwide MPH, see page 41 or visit [www.jhsph.edu/academics/degree-programs/master-of-public-health](http://www.jhsph.edu/academics/degree-programs/master-of-public-health)

**Master of Public Policy (MPP)**
The MPP offered through the Department of Health Policy and Management provides students a broad look at public policy formulation, implementation and evaluation. Students prepare for professional careers...
solving public problems through policy analysis and design, program management, and community and public advocacy. Students learn to identify public policy problems, develop feasible alternatives, gain exposure to frameworks for identifying criteria for comparing proposed options and develop skills to evaluate policies during and after implementation.

- For more information about the MPP, see page 27 or visit www.jhsph.edu/academics/degree-programs/masters-programs/master-of-public-policy

Master of Science (ScM)
The ScM degree program is targeted to students interested in building research careers in one of the following fields: biochemistry and molecular biology, biostatistics, environmental health science, epidemiology, genetic counseling, and molecular microbiology and immunology. Graduates of ScM programs work in a wide variety of public health research settings.

Because these programs vary in their content and admissions requirements, interested students should contact their program of interest directly prior to application.

- For more information about the ScM, see the appropriate department or visit www.jhsph.edu/academics/degree-programs/masters-programs/master-of-science

DOCTORAL DEGREES

The Doctor of Philosophy (PhD) and Doctor of Science (ScD)
The PhD and ScD programs are based within individual departments at the Bloomberg School. Both programs aim to teach methods of evidence-based research that may improve the health of populations. Students’ interests have ranged from preventing the spread of infectious diseases to influencing healthy behaviors to mitigating the epidemic of violence.

- For more information about the PhD and ScD programs, see the appropriate department or visit www.jhsph.edu/academics/degree-programs/doctoral-programs/doctor-of-public-health

Doctor of Public Health (DrPH)
The DrPH program is designed for students intending to pursue leadership careers in the professional practice of public health. DrPH students aspire to careers as health department directors, senior health care managers, or leaders in other organizations on the front lines of public health practice. Applicants to the DrPH program must hold an MPH or equivalent professional degree. The DrPH is offered by several academic departments.

Because these programs vary in their content and admissions requirements, interested students should contact their program of interest for detailed information.

- For more information about the DrPH, see the appropriate department or visit www.jhsph.edu/academics/degree-programs/doctoral-programs/doctor-of-public-health

What Degree is Right For Me?
In a tangle of degree names? Not sure where to begin? Here are six tips for finding the right public health program for you.

1. It’s important not to get hung up on degree names. An MPH from one school is not the same as an MPH from another. You should evaluate a program’s offerings (duration, field placement, research opportunities, etc.) to determine whether that program is in line with your current experience and future goals.

2. In the same vein, department names also differ from school to school. One school’s Department of Health Behavior and Society is another school’s Social and Behavioral Sciences. When comparing departments, review missions, faculty, research and degrees offered.

3. We encourage you—especially if you’re researching doctoral programs—to browse our faculty and their research interests to ensure our school will be a good match.

- Search the online faculty directory by name or keyword (e.g. “autism” or “malaria” at: www.jhsph.edu/faculty/directory/list

4. Once you’ve narrowed your interests to a specific department, we encourage you to contact that department’s academic coordinator. Academic coordinators can provide you with detailed information about their department’s programs, as well as help connect you with current students and faculty. Their contact information may be found in this book, at the beginning of each department’s section.

5. Current students are a great resource. They were in your shoes just a few months ago.

- Connect with current students via http://comprojects.jhsph.edu/communications/students/default.cfm

6. Visit us and/or see page 68 for more ways to stay connected!
Overview of Departments, Degrees and Areas of Study

**MPH**

**Schoolwide Program**
Students may customize their degree or pursue one of the following areas of study:
- Child and Adolescent Health
- Epidemiologic and Biostatistical Methods for Public Health and Clinical Research
- Food, Nutrition and Health
- Global Environmental Sustainability and Health
- Health in Crisis and Humanitarian Assistance
- Health Leadership and Management
- Health Systems and Policy
- Infectious Diseases
- Social and Behavioral Sciences in Public Health
- Women’s and Reproductive Health

**MHA**

**Health Policy and Management**
- Health Administration

**MPP**

**Health Policy and Management**
- Public Policy

**MSPH**

**Environmental Health Sciences**
- Occupational and Environmental Hygiene

**Health, Behavior and Society**
- Health Education and Health Communication

**Health Policy and Management**
- Health Policy

**International Health**
- Global Disease Epidemiology and Control
- Health Systems
- Human Nutrition
- Social and Behavioral Interventions

**Population, Family and Reproductive Health**
- Adolescent Health
- Child Health
- Maternal and Perinatal Health
- Women’s Health
- Sexual and Reproductive Health
- Population and Health

**MHS**

**Biochemistry and Molecular Biology**
- Reproductive and Cancer Biology

**Biostatistics**
- Biostatistics

**Environmental Health Sciences**
- Environmental Health

**Epidemiology**
- Cancer Epidemiology
- Cardiovascular Disease and Clinical Epidemiology
- Clinical Trials and Evidence Synthesis
- Environmental Epidemiology
- Epidemiology of Aging
- General Epidemiology and Methodology
- Genetic Epidemiology
- Infectious Disease Epidemiology

**Graduate Training Programs in Clinical Investigation**
- Clinical Investigation

**Health, Behavior and Society**
- Social Factors in Health

**Health Policy and Management**
- Health Economics

**International Health**
- Health Economics

**Mental Health**
- Mental Health

**Molecular Microbiology and Immunology**
- Molecular Microbiology and Immunology

**Population, Family and Reproductive Health**
- Demography
- Adolescent Health
- Child Health
- Maternal and Perinatal Health
- Women’s Health
- Sexual and Reproductive Health
- Population and Health

**ScM**

**Biochemistry and Molecular Biology**
- Reproductive and Cancer Biology

**Biostatistics**
- Biostatistics

**Environmental Health Sciences**
- Environmental Health

**Epidemiology**
- Cancer Epidemiology
- Cardiovascular Disease and Clinical Epidemiology
- Clinical Trials and Evidence Synthesis
- Environmental Epidemiology
- Epidemiology of Aging
- General Epidemiology and Methodology
- Genetic Epidemiology
- Infectious Disease Epidemiology

**Graduate Training Programs in Clinical Investigation**
- Clinical Investigation

**Health, Behavior and Society**
- Genetic Counseling

**Molecular Microbiology and Immunology**
- Molecular Microbiology and Immunology
### PhD

<table>
<thead>
<tr>
<th>Biochemistry and Molecular Biology</th>
<th>Environmental Health Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biochemistry and Molecular Biology</td>
<td>Environmental Health Sciences</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Biostatistics</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biostatistics</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental Health Sciences</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Health Sciences</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental Health Sciences</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Health Sciences</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Biostatistics</th>
<th>Health, Behavior and Society</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biostatistics</td>
<td>Health, Behavior and Society</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental Health Sciences</th>
<th>Health, Behavior and Society</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Health Sciences</td>
<td>Health, Behavior and Society</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Health Policy and Management</th>
<th>Health Policy and Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Policy and Management</td>
<td>Health Policy and Management</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Health Policy and Management</th>
<th>Health Policy and Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Policy and Management</td>
<td>Health Policy and Management</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Health Policy and Management</th>
<th>Mental Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Policy and Management</td>
<td>Mental Health</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Health Policy and Management</th>
<th>Population, Family and Reproductive Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Policy and Management</td>
<td>Population, Family and Reproductive Health</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Health Policy and Management</th>
<th>Population, Family and Reproductive Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Policy and Management</td>
<td>Population, Family and Reproductive Health</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>International Health</th>
<th>Environmental Health Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Health</td>
<td>Environmental Health Sciences</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>International Health</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Health</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>International Health</th>
<th>Health Policy and Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Health</td>
<td>Health Policy and Management</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mental Health</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mental Health</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mental Health</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mental Health</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mental Health</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mental Health</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mental Health</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mental Health</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Molecular Microbiology and Immunology</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Microbiology and Immunology</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Population, Family and Reproductive Health</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population, Family and Reproductive Health</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Population, Family and Reproductive Health</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population, Family and Reproductive Health</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

### DrPH

<table>
<thead>
<tr>
<th>Environmental Health Sciences</th>
<th>Environmental Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Health Sciences</td>
<td>Environmental Health</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental Health Sciences</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Health Sciences</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental Health Sciences</th>
<th>Health, Behavior and Society</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Health Sciences</td>
<td>Health, Behavior and Society</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental Health Sciences</th>
<th>Health Policy and Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Health Sciences</td>
<td>Health Policy and Management</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental Health Sciences</th>
<th>Mental Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Health Sciences</td>
<td>Mental Health</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental Health Sciences</th>
<th>Population, Family and Reproductive Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Health Sciences</td>
<td>Population, Family and Reproductive Health</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental Health Sciences</th>
<th>Population, Family and Reproductive Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Health Sciences</td>
<td>Population, Family and Reproductive Health</td>
</tr>
</tbody>
</table>

### ScD

<table>
<thead>
<tr>
<th>Epidemiology</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidemiology</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Epidemiology</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidemiology</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Epidemiology</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidemiology</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Epidemiology</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidemiology</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Epidemiology</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidemiology</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Epidemiology</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidemiology</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Epidemiology</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidemiology</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Epidemiology</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidemiology</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Epidemiology</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidemiology</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Epidemiology</th>
<th>Epidemiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidemiology</td>
<td>Epidemiology</td>
</tr>
</tbody>
</table>

### Combinations

<table>
<thead>
<tr>
<th>Degree Programs Offered with Other Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA/MHS</td>
</tr>
<tr>
<td>(Peace Corps Master’s International)</td>
</tr>
<tr>
<td>MSN/MPH</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PhD, MS, or ScD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Training Programs in Clinical Investigation</td>
</tr>
<tr>
<td>Health, Behavior and Society</td>
</tr>
<tr>
<td>Health Policy and Management</td>
</tr>
<tr>
<td>International Health</td>
</tr>
<tr>
<td>Mental Health</td>
</tr>
<tr>
<td>Molecular Microbiology and Immunology</td>
</tr>
<tr>
<td>Population, Family and Reproductive Health</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Degree Programs Offered within the Bloomberg School</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctoral/MHS in Biostatistics</td>
</tr>
<tr>
<td>MPH/General Preventive Medicine Residency</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Online</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Bloomberg School has an ever-growing portfolio of online courses, certificates and other programs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Online</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students admitted to our two online/part-time degrees may complete 80% of their coursework online.</td>
</tr>
<tr>
<td>Schoolwide MPH</td>
</tr>
<tr>
<td>Environmental Health Science: MSPH in Occupational and Environmental Hygiene</td>
</tr>
</tbody>
</table>

### CHART KEY

* Applicants may not matriculate directly into this ScM degree.
Biochemistry and Molecular Biology is the study of molecular and genetic bases of cellular processes. Our faculty conducts research to increase current knowledge of the biochemical and molecular mechanisms of normal and abnormal cellular processes.

Our research and graduate programs may be applied to a broad group of important and currently relevant health problems such as cancer, aging, neurological diseases, fertility and environmentally based diseases.

The Biochemistry and Molecular Biology programs are planned for individuals with a bachelor’s degree in chemistry, biochemistry or biology, preferably with experience in physical chemistry, physics and mathematics. All candidates should have some research experience, although this requirement is waived for applicants from smaller colleges. Applicants are requested to indicate their research experience and career goals and to name the person(s) with whom their research experience has been gained.

Department research interests include: cellular and molecular biology, biochemistry, molecular genetics, structural biology, developmental and reproductive biology, enzymology, molecular biophysics, molecular endocrinology, chemical biology, epigenetics, post-translational modifications, and inflammation and stress response biology.

**DEGREE PROGRAMS**

**MHS in Reproductive and Cancer Biology**
- duration: 1 year**
- application deadline: June 1

The MHS in Reproductive and Cancer Biology requires nine months of coursework culminating in a library-based thesis. The program is designed for students exploring career options, seeking to improve their chances for medical or other professional schools, or planning to pursue advanced graduate work or positions in industry.

MHS students in this track must complete 64 credits during the four terms of the academic year. While some coursework is required, overall, there is great flexibility in the program. The student’s coursework is highly individualized and depends on his/her background and career aspirations.

Graduates of the MHS program have pursued medical school and training for other health care professions, biomedical science research and public health research and practice. Other graduates have gone on to forensic investigation, fertility research and business careers in the biotechnology field.

**ScM in Reproductive and Cancer Biology***
- duration: 2 years**
- application deadline: June 1

The ScM in Reproductive and Cancer Biology is a research-based program requiring nine months (one academic year) of coursework, the completion of original research under the guidance of a faculty mentor, and the writing of a research-based thesis.

*Applicants may not matriculate directly into this degree
**The time it takes to complete a degree may vary by student and circumstances
Chynna Broxton, a PhD candidate from Stratford, New Jersey, is beginning her third year in the Department of Biochemistry and Molecular Biology (BMB). The Bloomberg School was appealing to Chynna because it provided her with the opportunity to observe how basic science research can have an impact on public health. With Johns Hopkins being at the forefront of scientific research, BMB seemed like the perfect fit.

Chynna’s current research project involves investigating small molecular manganese antioxidants that have been implicated in playing a role in microbial pathogenesis. These small molecule antioxidants have been identified in a variety of microorganisms and may be utilized by pathogens to protect themselves against the host immune system. Her primary goal is to determine genes that regulate manganese antioxidants using the baker’s yeast Saccharomyces cerevisiae as a model organism and to apply that information to the pathogenic fungi Candida albicans. Further understanding of small molecule manganese antioxidants may allow us to gain more insight into the mechanisms of pathogenesis, which could possibly lead to the development of new antimicrobial agents.

In their second, students pursue courses in one of nine specialty areas:
› Biochemical Nutrition
› Bioinformatics
› Bioorganic Chemistry
› Biophysics
› Genetics
› Structural Biology
› Cellular and Molecular Biology
› Enzymology
› Reproductive Biology

Completed applications for the PhD program including GRE scores, are accepted up to January 12. Applications submitted by December 15 will receive expedited processing. Candidates for admission to the PhD program will be identified and invited to the department for an interview at the department’s expense.

Grades of this program pursue research careers in academia, government, and industry.

➤ Learn “How to Apply” by flipping to page 58 or by visiting www.jhsph.edu/admissions

DEPARTMENTAL FUNDING

The department does not generally provide financial support for students pursuing the MHS degree. However, there are resources to help these students locate external funding. Most ScM students will qualify for a 75 percent tuition scholarship their second year.

All PhD students receive full financial support which covers tuition, fees, medical insurance and a stipend for living expenses. Graduate students are not required to serve as teaching assistants, although opportunities to teach are available if a student so desires.

➤ For more information regarding funding, tuition costs and financial aid, flip to page 64 or visit www.jhsph.edu/offices-and-services/student-affairs/financial-aid
Biostatistics creates and applies methods for quantitative research in the health sciences. Our faculty conduct research across the spectrum of statistical science from foundations of inference to the discovery of new methodology to health applications. Our designs and analytic methods enable health scientists and professionals in academia, government, pharmaceutical companies, medical research organizations and elsewhere to efficiently acquire knowledge and draw valid conclusions from their ever-expanding sources of information. Our graduates have leadership careers as researchers and educators in academic departments of statistical science and in government and industry.

**Degree Programs**

**Master of Health Science (MHS) in Biostatistics**
- duration: 1 year**
- special application requirement: must already have advanced degree in health science (e.g. MD or PhD)
- application deadline: Feb 1

The MHS in Biostatistics is intended for outstanding individuals with prior professional experience or a professional degree (e.g. MD or PhD) seeking a one-year intensive course of study in biostatistical theory and methods. The program is also open to students concurrently enrolled in a doctoral program at the Bloomberg School. The MHS in Biostatistics is not intended as a terminal degree for professional biostatisticians.

This program involves one year of coursework (64 credits), a comprehensive written exam, and a culminating data analysis project.

Graduates of the MHS in Biostatistics design research studies of human health and disease; design and implement data management systems; design and implement tabular and graphical displays of quantitative information; draw inferences from quantitative data; and use statistical reasoning and theory to deal effectively with non-standard statistical problems.

**Master of Science (ScM) in Biostatistics**
- duration: 2 years**
- application deadline: Feb 1

The ScM in Biostatistics emphasizes statistical methods, biometry, statistical computing and epidemiology.

This ScM is intended for individuals who have demonstrated excellence at the undergraduate level in quantitative or biological sciences and a career as a professional statistician.

ScM candidates are required to take 64 course credits and pass a comprehensive written exam at the end of the first year. A thesis is required and usually involves applications of statistical methods to health or medical data.

ScM graduates assume positions in research or professional settings as scientific project coordinators and data analysts where they may design research studies of human health and disease; design and implement tabular and graphical displays of quantitative information; and/or perform major statistical analyses to address public health or statistical research questions.

**PhD in Biostatistics**
- duration: 5 years**
- application deadline: Feb 1

The PhD in Biostatistics is intended for individuals who have demonstrated excellence at the undergraduate level in quantitative or biological sciences and a career as a professional statistician.

PhD candidates are required to take 96 course credits and pass a comprehensive written exam at the end of the second year. A dissertation is required and usually involves applications of statistical methods to health or medical data.

PhD graduates assume positions in research or professional settings as scientific project coordinators and data analysts where they may design research studies of human health and disease; design and implement tabular and graphical displays of quantitative information; and/or perform major statistical analyses to address public health or statistical research questions.

**The time it takes to complete a degree may vary by student and circumstances**
PhD in Biostatistics

**duration:** 5 years

**application deadline:** Jan 15

The PhD in Biostatistics provides training in the theory of probability and statistics in biostatistical methodology. The program is unique in its emphasis on the foundations of statistical reasoning and in requiring its graduates to complete rigorous training in real analysis-based probability and statistics, equivalent to what is provided in most departments of mathematical statistics.

PhD candidates are required to pass a comprehensive written examination covering coursework completed at the end of their first year. Research leading to a thesis may involve development of new theory and methodology, or it may be concerned with applications of statistics and probability to problems in public health, medicine or biology.

Applicants should have completed undergraduate work in the biological, physical or social sciences or in mathematics and have strong quantitative skills. Knowledge of calculus, including differential equations, and familiarity with matrix algebra are highly desired.

PhD graduates conduct and publish original research on the theory and methodology of biostatistics; apply innovative theory and methods to the solution of public health problems; serve as expert biostatisticians on collaborative teams of investigators addressing key public health questions, and teach biostatistics effectively to health professionals and scientists.

Learn “How to Apply” by flipping to page 58 or by visiting www.jhsph.edu/admissions

**ADDITIONAL EDUCATIONAL OPPORTUNITIES**

**Concurrent Doctoral Degree/MHS in Biostatistics**

This program provides doctoral students in other departments at the Bloomberg School the opportunity to pursue an MHS in Biostatistics concurrently with their doctoral program. To be eligible for the concurrent program, students must be accepted into one of the doctoral programs at the School. With their primary department’s approval, the student may then apply to the MHS program. Students in the concurrent program must complete the requirements of both master’s and doctoral programs. They may work with the Department of Biostatistics as well as their primary department adviser to suggest course sequencing and solve any problems that might arise.

**DEPARTMENTAL FUNDING**

There is limited funding for master’s students. The Bloomberg School offers a 75 percent tuition scholarship for those full-time, second-year master’s students who have made satisfactory academic progress and successfully completed 64 credits (a full-time coursework) their first year.

All applicants to our PhD program, regardless of citizenship or nationality, are automatically considered for the 4–6 fully-funded slots the department has available each year.

The department also offers funded training programs in Statistical Methods in Environmental Epidemiology and Epidemiology and Biostatistics of Aging for U.S. citizens and permanent residents.

For more information regarding funding, tuition costs and financial aid, flip to page 64 or visit www.jhsph.edu/offices-and-services/student-affairs/financial-aid

**Student Spotlight**

Jenna Krall is a Biostatistics PhD student interested in environmental statistics. As a native of Pittsburgh, Pennsylvania, she grew up on stories of the poor air quality that plagued her city in the early and mid-1900s. The role that environmental scientists played in improving the air quality in Pittsburgh and other cities inspired her to pursue environmental research. At the Bloomberg School, Jenna works with her adviser, Roger Peng, to study the health effects of air pollution. In her research, she aims to determine the sources of air pollution most harmful to human health, which requires the development of new statistical methods for inferring concentrations of pollution sources from available data.

Jenna is also passionate about sharing her knowledge of biostatistics with scientists in other fields and has collaborated on projects across Johns Hopkins University. She worked as a biostatistician at the School of Nursing consulting with students and faculty and became involved in research examining risk factors of methicillin-resistant S. aureus infection. At the Johns Hopkins Center on Aging and Health, Jenna works with researchers to apply new modeling techniques to study the associations between cognitive and physical function in older adults.

After graduation, Jenna will aim to obtain a postdoctoral fellowship and continue her research in aging and the environment.

Jenna Krall
PhD Candidate
Biostatistics
The Department of Environmental Health Sciences (EHS) comprises a dynamic group of faculty, staff and graduate students at the master and doctoral levels. The EHS Department engages in training, research and practice activities in two broad areas: Exposure Science and Epidemiology; Environmental Diseases - Molecular Mechanisms and Pathophysiology. Faculty and students evaluate the impact of chemical, biological, physical and psychosocial exposures on human health spanning the breadth of environmental media including food, water and air and encompassing integrating concepts of the built environment and environmental sustainability. Our mission is to develop solutions to key challenges in local, national, and global environmental health, from the molecular to population-wide impacts. This is accomplished by investigating sources and distributions of exposures, mechanisms of action, biomarkers of exposure and biological effects, individual and population-based responses, and susceptibility factors at both the individual (molecular, cellular, organ, whole-body) and societal levels. In addition, environmental risks are assessed and prevention/intervention strategies are devised and evaluated.

Our broad, multidisciplinary approach creates a collaborative and supportive learning atmosphere for students with diverse backgrounds and interests, while assisting them in developing lifetime careers in environmental and public health research and practice. Our graduates work in academic research institutions, health agencies, health departments and private industry organizations that are leaders in environmental and occupational health in the U.S. and in many countries around the world.

**DEGREE PROGRAMS**

**MHS in Environmental Health**

duration: 1 year**

application deadline: June 1

The MHS program in Environmental Health is designed to address the academic and practice needs of students in the diverse environmental health field. For some, it serves as a foundation and provides direction for further academic training in medical school or doctoral programs. For others, the knowledge base it provides allows them to successfully pursue positions that incorporate environmental health perspectives and practice activities. The program is based on coursework and uses as its capstone activity the writing and presentation of a literature-based essay on an environmental health topic of the student’s choosing.

The three tracks are:

› Human Toxicology and Pathophysiology
› Population Environmental Health
› Sustainability and Global Environmental Health

In addition to facilitating the pursuit of doctoral degrees (MD, PhD), the MHS assists individuals in identifying career opportunities within the field of environmental health. Graduates of the program not currently pursuing advanced degrees hold environmental health-related positions in governmental and nongovernmental agencies and the private sector.

*Applicants may not matriculate directly into this degree

**The time it takes to complete a degree may vary by student and circumstances
ScM in Environmental Health*
duration: 2 years**
application deadline: June 1

ScM students are admitted initially into the MHS program described above. By the end of the second term, MHS students with an interest in research who have identified a departmental faculty member willing to serve as thesis adviser may apply for a transfer to the ScM program.

The ScM program in Environmental Health is intended for individuals with a serious interest in pursuing research in one of the various areas within Environmental Health. Typically, these students have previous hands-on experience in laboratory, field or population-based investigations that they would like to build upon. Coursework in the first year will provide a solid and broad foundational knowledge of environmental health upon which to base independent thesis research under the direction of their faculty adviser in the second year of the program. Similar to the MHS, the curriculum of the ScM is composed of a set of core courses and three track options from which students chose.

These are:
› Human Toxicology and Pathophysiology
› Population Environmental Health
› Sustainability and Global Environmental Health

Graduates of the program are well-prepared to transition directly into opportunities for further training and research through doctoral degree programs in their areas of their primary interest. For those wishing to apply their knowledge and research skills in the field of Environmental Health prior to pursuing advanced degrees, the ScM will position graduates to compete for research positions in the private sector, federal agencies and non-governmental organizations.

MSPH in Occupational and Environmental Hygiene
duration:
› full-time program, 18 months**
› online/part-time program, 2.5 to 4 years**
application deadline: June 1

The MSPH in Occupational and Environmental Hygiene is designed for students who wish to begin or advance professional careers in occupational and environmental risk assessment.

Training covers principles of risk analysis and management in the workplace and the general environment. The programs include coursework in the following areas: toxicology, epidemiology, biostatistics, occupational health, occupational and environmental hygiene, air pollution, environmental sampling techniques, program management and risk analysis.

This program is accredited by the Accreditation Board for the Engineering Technology (ABET) Applied Sciences Accreditation Commission and designed to prepare students to pass the Certified Industrial Hygienist (CIH) examination given by the American Board of Industrial Hygiene.

Students may enroll in either the full-time or online/part-time format. Both options confer the same degree and students must meet the same academic requirements.

Graduates go on to professional careers in occupational and environmental hygiene and program management within consulting, private industry and government sectors.

BA/MHS or BA/MSPH
duration:
› BA/MHS, 5 years (for both degrees)**
› BA/MSPH, 5.5 years (for both degrees)**
special application requirement: applicants must be enrolled in the undergraduate program in public health studies at Johns Hopkins University
application deadline: July 1 between junior and senior undergraduate years

The Department of Environmental Health Sciences offers early graduate school admission to students enrolled in the public health studies program at the Johns Hopkins University Krieger School of Arts and Sciences. Graduate credits taken at the Bloomberg School while in the combined program apply towards the BA. One half of these credits (up to 16) may also be used to fulfill MHS or MSPH degree requirements. Students in this program will receive co-advising from both schools.

A waiver of the requirement for standardized test scores for matriculation into the master’s program will be granted to students who achieve a GPA of 3.0 or better in public health coursework taken at the Bloomberg School during their senior year while in the program. The application fee for BA/MHS or MSPH applicants is waived.

Both the MHS in Environmental Health and MSPH in Occupational and Environmental Hygiene (full-time program) participate in this program. Applicants must specify which program they wish to pursue in their application.
Graduates in Exposure Science and Epidemiology from the Department of Environmental Health Sciences work in academic research institutions, health agencies, health departments and private industry organizations that are leaders in environmental and occupational health in the U.S. and around the world.

**DrPH in Environmental Health**

*duration: full-time program, up to 7 years**  
*duration: part-time program, up to 9 years**

*special application requirement:* must have an MPH or equivalent degree

*application deadline: Dec 15 (priority)*

The DrPH degree emphasizes the application of in-depth public health knowledge to problem solving and the development of skills necessary to assess and solve the needs for occupational and environmental health challenges at regional, national and international levels.

The typical DrPH student holds an MPH or its equivalent and has been working as a public health practitioner for two or more years. Many pursue their studies part-time, and maintain an active public health practice through their work. Students develop the skills to: analyze and assess complex environmental risks and problems and to design and implement intervention strategies that reduce risks and resolve environmental problems.

DrPH graduates in EHS transform cutting edge environmental health science into public health interventions. Graduates are active throughout the world in diverse settings in federal and state agencies as well as private sector companies, foundations, consulting businesses, hospitals and academia.

---

**PhD in Environmental Health Sciences**

*duration: 5 years**

*application deadline: Dec 15 (priority)*

Students may pursue one of two tracks:

- Environmental Diseases: Molecular Mechanisms & Pathophysiology
- Exposure Science and Epidemiology

**Environmental Diseases: Molecular Mechanisms & Pathophysiology Track**

Globally, chronic diseases such as COPD, asthma, cancer, pulmonary fibrosis and cardiovascular diseases are major causes of morbidity and mortality, and environmental exposures are the key driver of these diseases. Basic and translational research in this track is focused on discovering novel molecular mechanisms that drive the pathophysiology of these diseases to develop prevention and therapeutic strategies to improve public health.

Graduate students engage in academic training in specific areas of environmental health with in-depth courses in molecular, toxicologic, physiologic, immunologic, and pathophysiologic sciences. They also obtain a broad background in the environmental health sciences by taking core courses on epidemiology, biostatistics and risk sciences.

The research done by graduate students and faculty has led directly to an enhanced understanding of the molecular, cellular, biochemical, pathobiological and physiological changes that represent early stages and progression of many chronic diseases. This program track is aimed towards creating the next generation of scientists with laboratory skills to tackle complex environmental diseases for careers in academia, industry, and government.

**Exposure Science and Epidemiology Track**

The Exposure Science and Epidemiology Track offers exposure science and epidemiology research and training opportunities in all areas relevant to environmental and occupational health including air, water and food pollution, early life exposures, metals and synthetic chemicals, environmental microbiology, the built environment, global environmental health, molecular and integrated epidemiology, and the investigation of susceptibility factors and effective interventions. Studies that incorporate state-of-the-art exposure assessment, population-based approaches, and electronic health and environmental records are available together with access to multiple populations locally and around the world for students to conduct their research. Collaborative opportunities exist with the Molecular Mechanisms and Pathophysiology Track, and with other Departments at the School of Public Health, including the Departments of Epidemiology and International Health.

---

Learn “How to Apply” by flipping to page 58 or by visiting www.jhsph.edu/admissions
ADDITIONAL EDUCATIONAL OPPORTUNITIES

Postdoctoral Positions
Postdoctoral students spend virtually all their time conducting research in the laboratory of their faculty mentor. While the focus is on conducting research, in consultation with their faculty mentor, postdoctoral students have the opportunity to take selected courses that may advance their training and research capabilities. Attending and giving seminars, journal clubs and participating in research retreats are also an integral part of the postdoctoral training experience.

Applicants for postdoctoral positions first identify a member of the EHS faculty with whom they wish to work and correspond directly with him/her. They become postdoctoral students in the program after confirming position availability with the faculty member, submitting a formal application to the program and receiving an official appointment letter.

CERTIFICATES
The Department of Environmental Health Sciences offers the following certificate programs:
- Certificate in Environmental and Occupational Health
- Certificate in the Food System, Environment and Public Health
- Certificate in Health and Human Rights
- Certificate in Humane Sciences and Toxicology Policy

For more information regarding certificates, flip to page 50 or visit www.jhsph.edu/academics/certificate-programs

DEPARTMENTAL FUNDING
All qualified master’s and doctoral applicants are considered for scholarship opportunities. Please note that funding for non-U.S. citizens is very limited. The allocation process is very competitive and funding sources vary each year.

Funding sources are also limited for master’s programs, however, some candidates for the MSPH in Occupational and Environmental Hygiene (full-time) may be considered for partial tuition support. Most students in this program receive a tuition discount during the second year of the program.

The department participates with the Bloomberg School in the selection and award of scholarships for doctoral students.

For more information regarding funding, tuition costs and financial aid, flip to page 64 or visit www.jhsph.edu/offices-and-services/student-affairs/financial-aid

Student Spotlight
Merricka Livingstone graduated with a BS in Chemistry from the Massachusetts Institute of Technology with an interest in the study of natural products and their use as therapeutic agents.

Merricka’s research interests now include how natural products, specifically toxins, cause disease. She is also interested in the therapeutic effects of some animal toxins and how they could be beneficial in fighting disease.

Merricka chose the Bloomberg School’s Department of Environmental Health Science because she wanted a graduate program that would give her the best foundation possible, along with a supportive network and a positive mentoring experience.

“This department is truly a community. It is an added bonus that this program is rooted in public health because I would like for my work to directly benefit people,” she says.

In terms of research, Merricka is currently working on a project focusing on the concept of microRNAs being used as biomarkers. She will be using genomic techniques to detect these small non-coding RNAs in biological samples from rats with aflatoxin-induced liver cancer (HCC).

Having just completed her first year of the program, Merricka is unsure about her post-PhD plans, though she is very interested in government research.
Epidemiology is the study of the incidence and prevalence of diseases and of the determinants of health and disease risk in human populations. The Department of Epidemiology at the Bloomberg School is the oldest and among the largest epidemiology departments in the world. The mission of the department is to improve the public’s health by training epidemiologists and by advancing knowledge concerning the causes and prevention of disease and the promotion of health.

The department offers a broad selection of educational and research programs. These include infectious and chronic diseases encompassing cardiovascular and cerebrovascular diseases, respiratory diseases, digestive diseases, congenital malformations, cancer, and occupational diseases. Human genetics, statistical epidemiology, social and behavioral studies, health disparities and health outcomes, are of major interest.

In addition to coursework, students are required to attend weekly seminars. During these seminars, speakers from other institutions and agencies discuss applied epidemiological problems and faculty engage in discussion on their current or planned research.

All degree candidates in the department are automatically members of the Epidemiology Students’ Organization (ESO). As a faculty- and administration-independent organization, its mission is to promote the professional development of students in the department and to act as an advocate for student needs.

**DEGREE PROGRAMS**

**MHS and ScM**

duration: 2 years**

application deadline: Feb 1

The department provides broad training in general epidemiology and in one of eight areas of concentration detailed on the next page. Both masters’ programs in epidemiology consist of coursework and a thesis. Master’s students complete a minimum of 64 credits in epidemiology and elective courses, pass a written comprehensive exam, write a 30-50 page publishable manuscript and present their research in a master’s poster symposium. The programs differ in breadth and scope depending on the student’s background and research focus within and after the program. The MHS is more practice-based and permits secondary data analysis for the thesis. The ScM is more theory/research-focused and requires original research for the thesis.

Graduates of both programs work in a variety of disciplines. Some go on to work in the field; in city, county or state health departments; or in academic research institutions. Students often continue their studies through additional master’s, doctoral or medical degree programs.

**Department Chair**

David Celentano, ScD

**Deputy Chairs**

Terri Beaty, PhD

Elizabeth Platz, ScD, MPH

**Academic Program Manager**

Frances S. Burman, MS

410-955-3926

franburman@jhu.edu

**Academic Coordinator**

Ebony A. Moore

410-502-9048

eamoore@jhu.edu

**Degree Programs**

› Master of Health Science (MHS) and Master of Science (ScM) offered in
  - Cancer Epidemiology
  - Cardiovascular Disease and Clinical Epidemiology
  - Clinical Trials and Evidence Synthesis
  - Environmental Epidemiology
  - Epidemiology of Aging
  - General Epidemiology and Methodology
  - Genetic Epidemiology
  - Infectious Disease Epidemiology

› Bachelor of Arts (BA)/Master of Health Science (MHS)

› Doctor of Philosophy (PhD) and Doctor of Science (ScD) offered in
  - Cancer Epidemiology
  - Cardiovascular Disease and Clinical Epidemiology
  - Clinical Trials and Evidence Synthesis
  - Environmental Epidemiology
  - Epidemiology of Aging
  - General Epidemiology and Methodology
  - Genetic Epidemiology
  - Infectious Disease Epidemiology

› Doctor of Public Health (DrPH) in Epidemiology

www.jhsph.edu/departments/epidemiology/

*The time it takes to complete a degree may vary by student and circumstances*
conducted research on HIV in Rwanda, they are unparalleled. “After two years national research projects in infectious disease, the outstanding faculty and the international dynamics in an academic or service roles, and refugees living in the greater Baltimore area. Upon completion of her doctoral work, Kate hopes to continue research on HIV prevention and transmission dynamics in an academic or non-profit setting.

**Student Spotlight**

As an undergraduate studying Microbiology at Pennsylvania State University, it was Kate Grabowski’s semester abroad in South Africa that led her to study public health. Her time abroad sparked a desire to translate the lab skills she acquired as an undergraduate to a larger audience. In 2005, Kate came to the Johns Hopkins Bloomberg School of Public Health as a student in the Department of Epidemiology, and received her Master of Science in 2007. The outstanding faculty and the international research projects in infectious disease epidemiology drew Kate to study at Johns Hopkins. As she puts it, “I think they are unparalleled.” After two years conducting research on HIV in Rwanda, Kate returned to Hopkins in 2009 as a PhD candidate in the Epidemiology Department’s Infectious Disease area of concentration. Kate’s doctoral research examines spatiotemporal transmission of HIV in 43 communities in Rakai, Uganda. Her passion for public health extends beyond the classroom; as a master’s student, Kate helped found Hopkins HEAL (Health Education Across Languages) which helps to provide health education workshops for immigrants and refugees living in the greater Baltimore area. Upon completion of her doctoral work, Kate hopes to continue research on HIV prevention and transmission dynamics in an academic or non-profit setting.

Kate Grabowski
PhD Candidate
Epidemiology

---

**BA/MHS**

duration: 6 years**

special application requirement: applicants must be enrolled in the undergraduate program in public health studies at Johns Hopkins University

application deadline: June 1 between junior and senior undergraduate years

The department will consider JHU undergraduate majors in public health studies for admission to the BA/MHS program. Admitted students must complete the BA degree before formally enrolling in the School. Up to 16 of the public health credits earned at the Bloomberg School toward the BA may also be used to fulfill the MHS degree. Undergraduate students should take multiple courses in natural sciences and mathematics as well as Fundamentals of Epidemiology prior to applying to the program.

**PhD and ScD**

duration: 5 years**

application deadline: Dec 1

The doctoral programs in epidemiology are comprised of two years of full-time coursework followed by two to three years of intensive and independent research. Students may design their research to be completed in any appropriate setting locally or throughout the world. Doctoral students complete a minimum of 128 credits, serve as teaching assistants, pass a written comprehensive exam and two preliminary oral exams, present their proposed research to their research group, attend a professional conference, and write and publicly defend an independent research project for their dissertation.

Our PhD and ScD graduates work in health departments, health agencies and in academic research institutions.

**MHS, ScM, PhD and ScD Concentrations**

- **Cancer Epidemiology** offers a vibrant mix of didactic training, student-faculty discussions and research experience in cancer etiology, prevention and control. Three integrated training tracks are offered: cancer etiology and prevention, genetic epidemiology of cancer, and cancer control. Course offerings include “Etiologic and Preventive Aspects of Cancer” and “Methodologic Issues in Cancer Epidemiology.”

- **Clinical and Cardiovascular Disease Epidemiology** focuses on the use of epidemiologic methods in clinical research and practice. Special emphasis is placed on the role of epidemiology in infectious disease prevention and health promotion. Program activities are enhanced by the close collaborative relationships between the Department of Epidemiology and clinical departments of the Johns Hopkins School of Medicine and the Johns Hopkins Hospital.

- This track also integrates knowledge on all aspects of cardiovascular disease: biology, behavior, treatment and prevention. Training emphasizes a collaborative approach and active participation in research. A number of large ongoing cohort studies and clinical trials provide a rich environment for research.

**Clinical Trials and Evidence Synthesis** is devoted to the promotion of clinical trials as a method of evaluation of preventive and therapeutic approaches to health problems. The track promotes the use of clinical trials as a method of evaluation and to facilitate research and teaching efforts in relation to the practice of clinical trials and other studies involving the evaluation of preventive and therapeutic approaches to health problems.

**Environmental Epidemiology** concentrates on the epidemiology of diseases associated with industrial and other occupational exposures, as well as with environmentally induced illness in general. Studies are carried out in conjunction with industry and government and provide excellent opportunities for student research. Many collaborative efforts exist with the Department of Environmental Health Sciences.

**Epidemiology of Aging** is intended for master’s, doctoral and postdoctoral students who wish to conduct work in older populations. It aims to provide advanced training to epidemiologists interested in the major public health and clinical issues relevant to older adults, and the conceptual and methodological framework that form a basis for studies of older populations. In the Epidemiology of Aging track, faculty and students discuss the public health import of aging societies,

---

Kate Grabowski
PhD Candidate
Epidemiology

2015-2016 JHSPH Academic Prospectus 19
and the constellation of changes associated with aging that make health issues for older persons important and unique. This track also focuses on the epidemiology of major geriatric syndromes, including frailty, disability, falls, and cognitive decline in older populations. Significant attention is dedicated to the understanding of opportunities for primary, secondary, and tertiary prevention in the context of the marked health status heterogeneity among older adults.

**General Epidemiology and Methodology** offers research and training opportunities in almost all areas of chronic disease epidemiology, including cardiovascular diseases, cancer and diseases of childhood and includes advanced methodology training in epidemiologic methods as well as providing individualized or customized training in statistical epidemiology, pharmaco-epidemiology and social epidemiology.

**Genetic Epidemiology** focuses on the study of genetic and environmental factors, and their interaction in disease and normal variation. Broadly based training, utilizing the combined staff and facilities of the Bloomberg School and the School of Medicine, and the faculty of Arts and Sciences, is available through the Department.

**Infectious Disease Epidemiology** provides knowledge and background needed for teaching and investigating the epidemiology of infectious diseases. Emphasis is on the principles and methods that can be applied to infectious diseases caused by all classes of organisms in a variety of settings.

**Environmental Epidemiology** concentrates on the epidemiology of diseases associated with industrial and other occupational exposures, as well as with environmentally induced illness in general. Studies are carried out in conjunction with industry and government and provide excellent opportunities for student research. Many collaborative efforts exist with the Department of Environmental Health Sciences.

For more on concentrations offered through the Department of Epidemiology, visit www.jhsph.edu/departments/epidemiology/concentrations

† Indicates NIH Training Grant opportunities for pre and post-doctoral qualified applicants (i.e. U.S. citizens or U.S. permanent residents). Please visit the website for further information.

**DrPH in Epidemiology**

**duration:**
- full-time program, up to 7 years**
- part-time program, up to 9 years**

**special application requirement:**
must have an MPH or equivalent degree

application deadline: Dec 1

The DrPH is an advanced professional degree designed for the student who intends to pursue a leadership career as a public health professional.

The DrPH in Epidemiology is offered on a full- or part-time basis. The part-time DrPH requires a prior or concurrent full-time year of coursework at Johns Hopkins. Applicants are expected to develop research in one of the areas listed above and customize their programs based on their professional goals.

DrPH students complete written and oral exams, present proposed research and complete a problem-based thesis. The doctoral programs differ in that the PhD and ScD are focused on preparing research that may influence public health leaders to effect change, while the DrPH prepares these public health leaders to both conduct their own research and evaluate that of others to effect change directly in the communities they serve.

**For more information regarding certificates, flip to page 50 or visit www.jhsph.edu/academics/certificate-programs**

**DEPARTMENTAL FUNDING**

The Department of Epidemiology is committed to helping students pay for their graduate education. However, we have limited sources of student support. The School provides Master’s Tuition Scholarships (MTS) in the amount of 75 percent tuition for students who have completed the first year curriculum, 64 credits, with a grade point average of 3.0 and who have passed the written comprehensive exams. The MTS covers four terms only and is awarded when students have registered for a minimum of 12 credits per term.

The Department has been committed to providing 50 percent tuition for all incoming full-time doctoral students beginning in the first term for up to five years of their program provided they maintain a 3.0 grade point average in their courses and continue to make progress in their research according to the timelines approved by their adviser and the School.

Training grants, programs and endowments provide some financial assistance for those doctoral students who obtain them.

Learn “How to Apply” by flipping to page 58 or by visiting www.jhsph.edu/admissions
The purpose of the Graduate Training Programs in Clinical Investigation (GTPCI) is to nurture and empower the clinical research community. The first of its kind in the U.S., this program was created in 1992 to address the growing national concern over the shortage of academic clinical investigators by training postdoctoral fellows and faculty to be more effective clinical scientists.

The clinical investigation degrees are a joint enterprise of the Johns Hopkins University School of Medicine and the Johns Hopkins Bloomberg School of Public Health. They were designed to provide competence in a wide variety of skills necessary for successful clinical research. These programs are targeted toward internal physicians, postdoctoral fellows and/or faculty in clinical departments of the School of Medicine. Students with other backgrounds may also be considered for the MHS track of the GTPCI.

The GTPCI seeks students from a variety of academic and professional backgrounds. Our best candidates demonstrate a combination of strong analytical and quantitative skills as well as clinical research experience. Each new trainee is expected to bring new energy and perspectives that can enrich our diverse academic environment. Detailed curriculum information can be found at [www.jhsph.edu/offices-and-services/practice-and-training/graduate-training-programs-in-clinical-investigation/degrees/curriculum.html](http://www.jhsph.edu/offices-and-services/practice-and-training/graduate-training-programs-in-clinical-investigation/degrees/curriculum.html).

The majority of our graduates hold academic appointments in medicine. Others hold positions in private practice, pharmaceutical development and federal agencies.

**DEGREE PROGRAMS**

**MHS in Clinical Investigation**

- duration: 1 year**
- application deadline: Mar 1

The MHS in Clinical Investigations is a one-year degree awarded to GTPCI candidates who specifically apply for this track. It is not necessary for MHS applicants to have an appointment with the Johns Hopkins Medical Institution. Health professionals with an advanced degree who are interested in pursuing a career in patient-oriented research may apply for the MHS degree in Clinical Investigation.

**PhD in Clinical Investigation**

- duration: 4 years**
- application deadline: Mar 1

The PhD in Clinical Investigation is our flagship program and designed for those candidates matriculated in a Johns Hopkins clinical postdoctoral program or have a Johns Hopkins faculty appointment. The usual postdoctoral career track is a four-year program, which leads to both clinical board eligibility in a medical discipline and the PhD in Clinical Investigation. One full year of didactic instruction is ordinarily taken after an initial clinical year in a medical or surgical specialty, and provides the scientific grounding for subsequent original research. This research effort is jointly mentored by faculty from the program and a preceptor from the fellow’s home division or department.

Upon successfully completing didactic instruction and demonstrating substantial achievement in clinical investigation in the
form of an acceptable PhD or ScM thesis, the candidate is awarded the PhD or ScM degree.

Note: PhD candidates who cannot fulfill the full set of requirements for a PhD because of time restrictions, unanticipated research difficulties or late shifts in thesis projects may be considered for a Master of Science (ScM) degree. It’s not possible to matriculate directly into the GTPCI ScM. Candidates interested in applying for a master’s level degree program should apply to the MHS track.

Additional Educational Opportunities
For scientists and clinicians who don’t have the time or resources to pursue a degree program, the GTPCI offers the Science of Clinical Investigation Training Program. This program is offered both online and on-site in the evenings.

For more information on the Science of Clinical Investigation Training Program, please visit www.jhsph.edu/academics/graduate-training-programs-in-clinical-investigation/advanced-training

Funding
GTPCI is one of 60 national recipients of an NIH-sponsored CTSA KL2 Award to support institutional career development programs for physicians and dentists, encouraging them to become independent, patient-oriented clinical investigators. This Multidisciplinary Clinical Research Career Development Program funds clinical research training for a broad group of physicians, dentists and other scientists who have a doctorate in a health-related field, including pharmacy, nursing, epidemiology and behavioral sciences. The Johns Hopkins KL2 program will provide career development support for postdoctoral and junior faculty physicians or dentists from within Johns Hopkins Medical Institutions. Visit www.jhsph.edu/academics/graduate-training-programs-in-clinical-investigation for details.

For more information regarding funding, tuition costs and financial aid, flip to page 64 or visit www.jhsph.edu/offices-and-services/student-affairs/financial-aid

Student Spotlight
Maunank Shah is going up against one of the most vexing infectious disease problems: the parallel epidemics of HIV and tuberculosis.

To attack this double-whammy of infectious disease, which is especially widespread in developing countries, early and rapid diagnosis is critical, but available tests are inadequate and often result in sometimes-deadly treatment delays, Shah says.

Guided by a longstanding interest in diagnostics, he aims to bring his clinical and research skills to bear in the effort to slow the spread of these infectious diseases.

At medical school, he developed new diagnostic tools for psychopharmacology research. And as a resident he studied a large cohort of hemophiliacs, using real-time polymerase chain reaction (PCR) techniques to identify previously unrecognized mixed genotypic infections.

During his time as an infectious disease fellow at Johns Hopkins, he worked in South Africa, a country with a high prevalence of HIV and TB, to complete a clinical research study of the new urine Lipoarabinomannan (LAM)-ELISA test. This novel tool allows for rapid detection of active TB and demonstrated high sensitivity among HIV patients, a population in whom existing diagnostic techniques work very poorly.

Moving forward, Shah continues to evaluate the accuracy, cost-effectiveness and utility of new tools to diagnose TB in resource-constrained settings.

“The burgeoning HIV epidemic has potentiated the burden of tuberculosis with grave consequences,” says Shah. “Newer strategies will be a crucial component to the eradication of tuberculosis in high prevalence areas.”
The Department of Health, Behavior and Society is dedicated to research and training that advance scientific understanding of the impact of the societal context and behavior on health.

The department focuses on the behavioral aspects of the top international and domestic causes of death and disability and feels a special responsibility to address public health challenges that disproportionately impact urban communities. The specific public health areas we address include smoking, obesity, diabetes, unintentional injury, violence, cancer, HIV/AIDS, sexually transmitted diseases (STDs), substance use, respiratory diseases and emerging infectious diseases, as well as the improvement of quality of life.

The department is unique in that it truly works at multiple levels of intervention—from the individual to the community. Particular strengths are in the areas of health communication and health education, the development of community-level interventions and the behavioral aspects of genetics and genetic counseling.

The department conducts research in Baltimore, in the U.S., and in over 45 countries around the world.

**DEGREE PROGRAMS**

**MHS in Social Factors in Health**
- duration: 1.5 to 2 years**
- application deadline: Feb 15

The MHS in Social Factors in Health is an advanced research degree for students with undergraduate exposure to social and behavioral sciences and/or public health, interested in further training in the theory and methods in this area.

The focus of the MHS in Social Factors is on integrating and applying a broad range of knowledge and analytical skills in social aspects of public health, with an emphasis on contemporary health problems. The program combines classroom-based coursework, seminars and independent study, development of a research plan, completion of a mentored research project and a master’s research paper presenting original research.

The degree is intended to prepare students either for further doctoral training or to work in a public health research or policy position.

**ScM in Genetic Counseling**
- duration: 2.5 years**
- application deadline: Jan 2

The ScM in Genetic Counseling prepares graduates for a career in genetic counseling with an emphasis on clients’ psychological and educational needs. A joint effort of the department and the National Human Genome Research Institute at the National Institutes of Health, the program provides a solid foundation in conducting social and behavioral research related to genetic counseling and teaches the skills necessary for graduates to educate health care providers, policymakers and the public about genetics and related health and social issues.

**The time it takes to complete a degree may vary by student and circumstances**

Department Chair
David Holtgrave, PhD

Academic Program Administrator
Barbara Diehl
410-502-4415
bdiehl1@jhu.edu

Degree Programs
› Master of Health Science (MHS) in Social Factors in Health
› Master of Science (ScM) in Genetic Counseling
› Master of Science in Public Health (MSPH) in Health Education and Health Communication
› Doctor of Philosophy (PhD) in Social and Behavioral Sciences
› Doctor of Public Health (DrPH) in Social and Behavioral Sciences

www.jhsph.edu/departments/health-behavior-and-society
The curriculum consists of coursework in the areas of human genetics, genetic counseling, health education, communication, ethics, public policy and research methodology. The program also requires a minimum of 400 contact hours of supervised clinical rotations and a thesis study.

The ScM in Genetic Counseling is accredited by the American Board of Genetic Counseling and graduates are eligible to sit for board examinations after completion of the program.

MSPH in Health Education and Health Communication
duration: 1.5 to 2 years**
application deadline: Jan 2

The MSPH in Health Education and Health Communication is designed for individuals seeking specialized formal academic training in health education, health promotion and health communication.

The curriculum provides a solid foundation in behavioral sciences principles and theories, along with advanced skills in program planning, implementation and evaluation. The program consists of one academic year of coursework followed by a minimum six-month field placement and a culminating essay. Part-time applicants are permitted in this program.

Graduates find careers in a range of settings, including health departments, government agencies, and nonprofit and for-profit organizations.

Students who successfully complete this degree program are eligible to sit for the national certification exam to become a Certified Health Education Specialist.

PhD in Social and Behavioral Sciences
duration: 4 to 7 years**
application deadline: Dec 1

The doctoral program in Social and Behavioral Sciences is designed for individuals seeking training as social and behavioral scientists, health educators and health promotion or communication specialists in the public health arena.

The curriculum emphasizes the application of behavioral and social science perspectives to contemporary health problems. Rigorous training in research methodology, program design and evaluation are also key elements of the curriculum. In addition to coursework, students complete a written exam at the end of the first year and gain experience in research skills and approaches. With faculty guidance, students develop and present a thesis protocol in an oral exam. The final thesis defense is conducted as an oral exam that includes a public presentation.

Graduates find careers as faculty members in academic settings as well as a variety of research careers in health departments, government agencies and nonprofit organizations.

DrPH in Social and Behavioral Sciences
duration: 5 years**
special application requirement: must have an MPH or equivalent degree
application deadline: Dec 1

The DrPH is an advanced professional degree program designed for the student who has an MPH or equivalent degree and who intends to pursue a leadership career in the professional practice of public health.

The focus of the DrPH program is on integrating and applying knowledge and skills in leadership, practice, policy analysis, program and budget management, and communication, with an emphasis on the application of behavioral and social science perspectives to contemporary health problems. In addition to coursework, students complete a written exam and a mentored practicum tailored to student interests. With faculty guidance, students develop and present a dissertation protocol in an oral exam. The final dissertation defense is conducted as an oral exam that includes a public presentation of results.

Graduates of the DrPH program are expected to take on leadership roles in the private and public sector as well as in academic institutions.

Learn “How to Apply” by flipping to page 58 or by visiting www.jhsph.edu/admissions
ADDITIONAL EDUCATIONAL OPPORTUNITIES
The department offers the following certificate programs:
› Community-Based Public Health Certificate
› Global Tobacco Control Certificate
› Health Communication Certificate
› Health Education Certificate

For more information regarding certificates, flip to page 50 or visit www.jhsph.edu/academics/certificate-programs

DEPARTMENTAL FUNDING
The department is committed to seeking opportunities that will allow it to provide financial support to its students.

First-year MSPH and MHS students are eligible for a limited number of partial tuition scholarships to be used toward full-time study. All full-time, second year MSPH and MHS students in good academic standing are eligible for a Master’s Tuition Scholarship (MTS) from the Bloomberg School. The MTS provides 75 percent tuition support during year two of the program.

The financial support for ScM students is determined by an agreement with NIH and communicated to incoming students.

For more information regarding funding, tuition costs and financial aid, flip to page 64 or visit www.jhsph.edu/offices-and-services/student-affairs/financial-aid

Student Spotlight
Rose Zulliger has been working as a public health researcher and practitioner since her undergraduate days. Rose majored in public health studies at the Johns Hopkins Krieger School of Arts and Sciences. After graduation, Rose served as a community HIV/AIDS programmer with the Peace Corps in Mpumalanga, South Africa.

South Africa turned out to be a pivotal place for Rose’s public health career. She completed her MPH at the University of Cape Town and worked with the Centre for Infectious Disease and Epidemiological Research. At the Centre, Rose was involved in diverse projects including research related to community health workers and interventions to make health services more culturally and socially accessible, particularly HIV services. This experience heightened Rose’s interest in the implementation and scale-up of health behavior interventions in a sustainable and effective manner.

Rose decided to return to Johns Hopkins for her PhD because of the strength of its teaching, faculty and reputation. The Department of Health, Behavior and Society (HBS) was a perfect fit because of its emphasis on multi-level interventions and the translation of research into practice through centers such as the Center for Communication Programs.

While at the Bloomberg School, Rose has participated in various volunteer activities and has co-chaired the department’s student organization, HBSSO. Her doctoral dissertation explores the initial effects of a multi-faceted intervention on engagement with HIV services among female sex workers in the Dominican Republic. This cross-cultural exposure has given her a better understanding of some of the commonalities and context-specific elements of public health research and practice in the developing world.

Upon completion of her PhD, Rose plans to work on the large-scale implementation and evaluation of evidence-based public health programming within low-resource contexts.

Rose Zulliger
PhD Candidate
Health, Behavior and Society
The mission of Health Policy and Management is to advance the public’s health through the development, implementation and evaluation of effective health and social policies. The department emphasizes the importance of sound management and creative leadership in finding effective and equitable solutions. The department’s commitment to this mission is realized through advancing research, education and practice in the following areas:

- **Health Services Research and Policy**—addressing the organization, financing and delivery of both curative and preventive services, and their impact on access, quality, outcomes and cost, particularly for the most vulnerable
- **Health and Public Policy**—addressing the development, analysis, implementation and evaluation of public policies to prevent disease and injury, and to promote the health and quality of life of populations
- **Health Economics and Policy**—addressing the concepts and methods of economic analysis to study how clinical and public health resources are and should be allocated
- **Bioethics and Health Policy**—addressing research and policy related to the ethics of public health practice, health policies, and public health research
- **Leadership and Management**—addressing the challenges faced by health organizations in today’s rapidly changing environment

The department is responsible for training public health professionals and researchers in diverse disciplines and fields relevant to the translation of public health sciences into practice and policy. The goal is to train researchers and public health leaders to become agents of change to promote the public’s health through effective, efficient and equitable policies, programs and services.

**DEGREE PROGRAMS**

**MHA**

*duration: 2 years**

*application deadline: Feb 1*

The MHA is a professional degree preparing students for management and leadership positions in the healthcare sector. In today’s rapidly changing environment, health care managers have a unique opportunity to improve the health care of the public through designing and managing high-quality, cost-effective services. The program emphasizes the analytical, technical and management skills required to improve the performance of healthcare organizations and systems. Because the program is located in a school of public health, students develop skills in working with physicians, nurses and other health professionals with whom they share classes. The program is an accelerated one that requires one academic year of coursework and an 11-month field placement in an appropriate setting. Graduates of the program have progressed into a variety of positions in the healthcare sector and consulting firms.

The program is accredited by the Commission on Accreditation of Healthcare Management Education (CAHME).

Program Contact: Teresa Schwartz, MS, teresa.schwartz@jhu.edu.

**www.jhsph.edu/departments/health-policy-and-management**

*The time it takes to complete a degree may vary by student and circumstances*
The MPP is a multidisciplinary degree that equips students with the critical skills required to analyze public problems and policy choices, formulate implementing mechanisms, and evaluate the results. The curriculum blends analytic perspectives from statistics, economics, sociology, political science, and philosophy into a coherent discipline, which students then apply to substantive fields of policy. The program striking a balance between quantitative and qualitative approaches to the analysis of policy problems, and explicitly considers the ethical and value dimensions inherent in making policy choices and the collaborative nature of policy implementation involving both governmental and nongovernmental factors.

Beyond rigorous academic training, students develop real world skills through an internship, and by incorporating into coursework the analysis of actual public problems and the evaluation of efforts to address these problems. The program distinguishes itself by the one-on-one mentoring of graduate students by faculty, engaging students in hands-on policy research, and an optional master’s thesis. The curriculum includes a core policy sequence (4 courses), an internship, and five elective courses, which can be selected from throughout the university including the Schools of Arts and Sciences, Public Health, Education, Business, Advanced International Studies, and Engineering. Graduates of the program pursue a wide range of careers in government, nonprofits, think tanks and consulting firms in the U.S. and abroad.

Program Contact: Carey Borkoski, PhD, cborkoski@jhu.edu.

### BA/MSPH in Health Policy

**duration: 6 years**

special application requirement: applicants must be enrolled in the undergraduate program in public health studies at Johns Hopkins University

application deadline: July 1 between junior and senior undergraduate years

Undergraduate students currently enrolled in the public health studies program at the Johns Hopkins University Krieger School of Arts and Sciences have the unique opportunity to gain early graduate school admissions through the Bloomberg School’s Department of Health Policy and Management.

Standardized test scores are not required for admission review. A minimum GPA of 3.3 in the public health core courses and an interview are required. The application fee for BA/MSPH applicants is waived.
Health Economics and Policy
The PhD in Health Economics and Policy prepares doctoral students to conduct innovative and rigorous research on various issues related to health and health care – such as the behavior of patients, providers, and insurers and the cost-effectiveness of various technologies. The PhD program’s curriculum is grounded in applied microeconomic theory, economic evaluation, and applied econometrics. It incorporates PhD coursework from the Johns Hopkins Krieger School of Arts & Sciences Economics Department. Student research generally focuses on econometric analyses of hypotheses generated by economic theory or quantitative evaluation of the effectiveness of various interventions.

Health Services Research and Policy
Health care systems are under extreme pressure. Costs are rising, quality and outcomes are not optimal, many vulnerable groups have inadequate access. Payment and delivery of healthcare is evolving rapidly. There is a great need for doctorally prepared researchers and senior policy analysts to address these issues within public and private organizations and to lead health care reform in the U.S. and globally.

The Health Services Research and Policy PhD training program provides a firm grounding in public health principles, research and evaluation methods and policy analysis. In this program, students acquire the conceptual and methodological tools needed to conduct research, program evaluation and policy analysis and synthesis to advance the state of knowledge.

Health and Public Policy
Finding solutions to public health problems through the development, analysis, implementation, and evaluation of health policies is the focus of the PhD program in Health and Public Policy. Students in this program examine challenging public health issues, including obesity, transportation, alcohol, prescription drug misuse, firearms, injury, and the environment, and learn how political, social economic, and legal factors affect health and health policies. Students acquire skills that enable them to conduct rigorous research to inform policy solutions, effectively translate their scholarly work to policy and practice, and emerge as leaders in public health policy. Faculty employ an interdisciplinary approach to their teaching, research, and practice which is reflected by their backgrounds in medicine, epidemiology, political science, sociology, law, environmental health, and the risk sciences.

PhD Program Contact: Mary Sewell, mary.sewell@jhu.edu.

DrPH in Health Policy and Management
duration: 6 to 8 years**
special application requirement: must have an MPH or equivalent master’s degree and at least three years of work experience
application deadline: Dec 1
The focus of the DrPH Program is on integrating and applying knowledge and skills in leadership, practice, policy analysis, program and budget management, and communication, with an emphasis on the application of policy, practice, and management perspectives, to contemporary health problems. The DrPH concentration in HPM is focused on measuring, monitoring and improving the clinical and financial performance of health services organizations, as well as training leaders for organizational change. It is principally a part-time program, designed for students working full-time who have completed master’s level training prior to starting the doctoral program. It is expected that students will complete the required coursework over a four-year period, followed by the written comprehensive and preliminary oral examinations which are completed prior to beginning substantive work on the dissertation. It is possible to complete the program within a six-year period although students have up to nine years, if needed, to completed the degree.

There are four tracks within the HPM DrPH concentration in which students can focus: Healthcare Management and Leadership, Health Policy and Practice, Health Informatics, and Quality Outcomes and Patient Safety.

Program alumni occupy middle and senior level positions in hospitals, other health services delivery organizations, consulting firms, as well as U.S. Government and International organizations.
Student Spotlight

In the decade following the terrorist attacks of September 11, 2001, the U.S. spent billions of dollars on homeland security, yet very little evidence is available as to the impact of this investment. In response to this gap, Nicole Errett’s dissertation research aims to supplement anecdotal information regarding the effectiveness of national preparedness funding, specifically regional funding, by studying its association with national preparedness. To assure her work is grounded in practical realities, Nicole conducts this research as a fellow in the Federal Emergency Management Agency’s National Exercise Division and in coordination with practice-based partners in Baltimore City. Nicole believes in the importance of system level preparedness; the success of a response to an emergency is dictated by the strength of everyday functions and operations. She intends for her research and actions to leverage limited resources to maximize public health outcomes on a daily basis, as well as in the aftermath of a disaster, in the U.S. and around the world.

A PhD candidate in the Health and Public Policy track, Nicole received her MSPH in Health Policy from the Department of Health Policy and Management and her BA in Public Health Studies from Johns Hopkins. She has served as a research assistant on a variety of disaster-related projects throughout the School, and as a teaching assistant for graduate and undergraduate courses. This fall, as a Gordis Teaching Fellow, Nicole will develop and teach a semester-long undergraduate course, Public Health and Disasters, at the Johns Hopkins Homewood Campus.

Nicole Errett
PhD Candidate
Health Policy and Management
Department of International Health

**Department Chair**
David Peters, MD, DrPH, MPH

**Academic Program Manager**
Cristina G. Salazar, MA
410-955-3734
jhsp.ihinfo@jhu.edu

**Degree Programs**
- Master of Health Science (MHS) in Health Economics
- Master of Science in Public Health (MSPH) in
  - Global Disease Epidemiology and Control
  - Health Systems
  - Human Nutrition
  - Social and Behavioral Interventions
- Master of Arts (MA)/Master of Science in Public Health (MSPH) (with SAIS)
- Master of Science in Public Health (MSPH)/Master’s International (with Peace Corps)
- Master of Science in Public Health (MSPH)/Registered Dietitian (RD)
- Doctor of Philosophy (PhD) in
  - Global Disease Epidemiology and Control
  - Health Systems
  - Human Nutrition
  - Social and Behavioral Interventions
- Doctor of Public Health (DrPH) in International Health

**DEGREE PROGRAMS**

**MHS in Health Economics**

**duration:** 1 year**
**application deadline:** Mar 1

Health Economics applies economic theories of consumer, producer, and social choice to understand the behavior of individuals, health care providers, public and private organizations and government decision-making. The MHS in Health Economics is an academic degree, offered jointly by the departments of International Health and Health Policy and Management. Program requirements consist of four academic terms, a comprehensive exam and a scholarly paper.

Prospective students apply to one of the two departments based on academic and career interests. However, students from both departments participate in a common core of classes spanning health economics, behavioral economics, economic evaluation, econometrics, statistics and epidemiology. Students have an opportunity to specialize, based on interests and experience, by choosing from elective courses that focus on U.S. or non-U.S. settings.

This degree is intended for students with a passion in public health or medicine, to develop skills in health economics, economic evaluation and econometrics.

Graduates will be well positioned to pursue doctoral training in economics and health policy or international health or careers as analysts in both public and private sectors.

For more information on the MHS in Health Economics visit www.jhsph.edu/departments/international-health/masters-degrees/master-of-health-science-in-health-economics/index.html

**www.jhsph.edu/ih**

**Note:** The time it takes to complete a degree may vary by student and circumstances.
**MA/MSPH**

The Department of International Health offers professionally-oriented MSPH degrees in the following academic programs: Global Disease Epidemiology and Control, Health Systems, Human Nutrition, and Social and Behavioral Interventions.

The MSPH programs provide students with specialized training within their chosen field, as well as general training in the field of public health. These programs are targeted to individuals interested in pursuing careers as public health professionals or those interested in continuing on with a more advanced research degree. Applications are welcomed from both recent college graduates and those with current careers in other fields. Prior exposure to public health is helpful but not required. Applicants must choose a specific program area when applying to the MSPH.

Program requirements consist of a minimum of four academic terms of 64 credits of coursework followed by a comprehensive exam, a practicum in which at least 32 credits are earned and an essay. The practicum can be a full-time activity of four months in duration or a part-time effort extending over a period of up to 12 months.

MSPH graduates may pursue a doctoral or medical degree, or may work for non-profit, non-government public health organizations.

**MA/MSPH**

The MSPH may be pursued in the context of the MA/MSPH dual-degree program with the Johns Hopkins School of Advanced International Studies (SAIS). Students wishing to pursue the dual degree program could complete both degrees in three years.

For more information regarding the MA/MSPH, flip to page 45 or visit www.jhsph.edu/dept/ih/globalhealthdegrees/msph/ma-msph.html

**Peace Corps Master's International Program**

As a complement to our MSPH program, the department also provides an opportunity for students to fulfill the practicum requirements through the Peace Corps Master’s International Program (PCMI). The academic requirements for this program are the same as for the MSPH program, but instead of completing a minimum of a two-term practicum through the Bloomberg School, students fulfill their practicum requirement with a two-year U.S. Peace Corps volunteer assignment that builds upon skills and training received at the Bloomberg School.

For more information regarding the MSPH/Peace Corps program, visit www.jhsph.edu/dept/ih/globalhealthdegrees/MSPH-PeaceCorps

**MSPH/Registered Dietitian (RD)**

application deadline: Jan 2

Selected MSPH students in Human Nutrition can meet their practicum requirement with a two-year U.S. Peace Corps volunteer assignment with a two-year U.S. Peace Corps volunteer assignment. This program offers students with a science-related undergraduate background and interested in public health nutrition, the opportunity both to obtain the MSPH degree and to complete supervised practice in public health nutrition in preparation for obtaining the RD credential. Students interested in this option should indicate their interest at the time they apply to the MSPH program. The MSPH/RD program is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND), the accrediting agency for the Academy of Nutrition and Dietetics.

For more information regarding the registered dietitian program, visit www.jhsph.edu/dept/ih/globalhealthdegrees/msph/msph-rd.html

**PhD**

duration: 4 to 5 years**

application deadline: Jan 2

Candidates for a research degree must complete courses in international health generally and in their selected program, undertake research in their specialized field of interest, and prepare and defend a thesis based on this investigation.

The PhD prepares students to become independent investigators in academic and non-academic research institutions, and emphasizes contribution to theory, public health science and implementation science.

Interested PhD applicants should have a masters degree in a related field prior to applying (Human Nutrition PhD applicants may be excepted if they have extensive nutrition experience).

**MSPH and PhD Concentrations**

**Global Disease Epidemiology and Control**

The Global Disease Epidemiology and Control (GDEC) Program trains students to be future leaders in identifying disease etiologies, and in the design, implementation and evaluation of biomedical interventions to prevent, mitigate or treat diseases of global public health importance.

Accomplished, innovative and involved faculty are leaders in the fields of infectious disease epidemiology (including emerging infections), vaccinology, mHealth and spatial and epidemic modeling of infectious diseases. Faculty are also global leaders in shaping disease control policy. GDEC offers a comprehensive and state of the art vaccine curriculum. Students may earn a Certificate in Vaccine Science and Policy, to understand clinical research and implementation in the U.S. and internationally.

GDEC graduates enjoy careers in academia, government and nongovernment sectors, and industry. Alumni hold faculty appointments at leading universities and ministries of health on five continents and positions at major global health organizations, including WHO, CDC, FDA, NIH, the World Bank, and the International Vaccine Institute.

Applicants for the GDEC MSPH program should have undergraduate coursework in biology and quantitative sciences. PhD applicants should have a degree in medicine, veterinary medicine or dentistry; or a master’s level degree or equivalent graduate training in epidemiology, statistics, international health, tropical medicine, microbiology,
parasitology, immunology, mycology or virology. Prior work experience is preferred.

Health Systems
The Health Systems Program works to design systems and implement equitable and cost-effective strategies for delivering health care and health promotion interventions to disadvantaged and underserved communities in the U.S. and abroad. This mandate is carried out through research, service, and training with and for the populations being served. Priority is given to populations stressed by economic, social, and political instability, many of which have also been displaced by conflict or natural disasters.

Applicants should have a prior degree in biological or health sciences or, alternately, in management or social science. Some prior international or health systems experience is highly desired.

MSPH graduates will be capable of developing and applying their skills in a variety of settings, from community to national and international levels, working particularly in low- and middle-income countries and with disadvantaged populations.

The MSPH curriculum focuses on planning and managing health projects and programs at the community, district, national and global levels.

Graduates will be capable of playing a management role in governmental and nongovernmental organizations to include design, implementation, monitoring and evaluation of public health programs in low and middle-income countries and other low resource settings.

The overall goal of the PhD program is to produce the next generation of leaders in the research and practice of public health dealing with health systems. Doctoral research focuses on health policy, health planning, financing, management and evaluation, institution building, community development and health systems strengthening.

Human Nutrition
The program in Human Nutrition provides students with the theoretical knowledge and state-of-the-art scientific, programmatic, policy and leadership skills for addressing pressing global and domestic challenges in public health nutrition.

Through a broad array of required and elective coursework, and with the guidance of experienced faculty advisers, doctoral and master’s degree students acquire and apply knowledge and skills in nutritional issues spanning the life, nutritional biochemistry and metabolism, assessment methods, food and nutrition policy and programs, nutritional epidemiology and other areas of public health application. Students are challenged to identify and consider solutions to important nutritional problems facing societies in terms of their causes, extent, severity and health that concentrate in the areas of international nutrition, effects and approaches to their prevention throughout the life cycle.

MSPH practicums may involve domestic or international nutrition internships or research projects, with nongovernmental organizations or with IH faculty. The PhD degree prepares candidates for careers in the design, conduct and publication of innovative research and in public health leadership across diverse areas of applied nutrition.

Entry into the PhD program requires at a minimum a bachelor’s degree preferably in nutritional, biological, food or social sciences and a minimum of 2 years of experience in nutrition research and development.

**Student Spotlight**

Dr. Olakunle Alonge grew up in Lagos, Nigeria, and earned his medical degree from the University of Ibadan. He’s both a faculty member and an alumnus of the Department who currently leads a childhood drowning-prevention project in Bangladesh. Before attending the master’s and doctoral programs at the Bloomberg School, he was a primary care physician and administrator of a Government District Hospital in the Niger-Delta area of Nigeria. He chose Hopkins not only because of the Department of International Health’s impressive faculty and student body, but also its “exceptional work in low- and middle-income countries and the impact that work was having on the communities in those countries.”

As a student, Dr. Alonge worked in Afghanistan as a manager of a health systems performance assessment project. “It was very complementary to my academic work. I was able to apply principles and methods learned in class in a practical and real-life setting. It was very much like an apprenticeship—I learned a lot by doing under the tutelage of faculty.” His dissertation on equity of health care service utilization in Afghanistan was based on his work there as a student.

“There’s so much happening at the Bloomberg School that you can choose your own path,” Dr. Alonge wants new students to know. “And don’t be afraid to ask questions—it unlocks opportunities you wouldn’t have otherwise.” His drowning prevention project has already opened up several opportunities for students to work in Bangladesh on areas such as the epidemiology of child injuries, burden of disease estimates, and large-scale effectiveness and cost-effectiveness studies of prevention interventions. “Our faculty realize that the School attracts the brightest global public health students, so they’re very excited to mentor them and find student research opportunities in projects based around the world.”

Dr. Olakunle Alonge, back left, in Bangladesh for the Saving of Children’s Lives from Drowning (SoLiD) Project

Olakunle Alonge, MD, PhD’13, MPH’09
Assistant Scientist
International Health
PhD applicants are required to have a minimum of one year of post-baccalaureate experience which can take the form of a master’s degree, a dietetic internship, medical training or other relevant work experience.

Social and Behavioral Interventions (SBI)
The SBI Program conducts research, training, and service on the development, implementation and evaluation of social, behavioral and community-based public health interventions. The program’s goal is to assist in the formulation of programs which reflect the social, cultural and policy context of health problems using a public health perspective, and a sound understanding of the epidemiology of health issues in developing countries.

SBI’s primary focus is on the direct application of theory and data collection into public health action. It offers multidisciplinary training for researchers and public health practitioners who wish to use the social sciences in the design, implementation and evaluation of public health programs, particularly community-based interventions.

Applicants to the master’s program should have a prior degree in the social sciences or a related field. Doctoral candidates have generally already completed a prior master’s degree in a related field of study and have some professional experience.

DrPH in International Health
duration: 4-5 years**
special application requirement: must have an MPH or equivalent degree and three years of professional public health experience
application deadline: Jan 2

The DrPH in International Health is a professional public health degree that prepares students for international leadership positions in public health practice for example in federal agencies, state and local health departments, nongovernmental organizations, universities, and health care institutions. Students entering the program should already have substantial public health experience (a minimum of three years) and graduate-level training in the field (MPH, MSPH or a related degree). The DrPH program includes more advanced courses in public health and in international public health. Students also complete an applied dissertation, and two non-dissertation projects.

The DrPH program is offered by the International Health Department (not a specific program area) and is a full-time program.

➤ For more information regarding the DrPH program visit www.jhsph.edu/departments/international-health/doctoral-degrees/drph

➤ Learn “How to Apply” by flipping to page 58 or by visiting www.jhsph.edu/admissions

ADDITIONAL EDUCATIONAL OPPORTUNITIES
The department offers the following certificate programs:
➤ Certificate in Global Health (fully online)
➤ Certificate in Humanitarian Assistance
➤ Certificate in Tropical Medicine (Summer Institute)
➤ Certificate in Vaccine Science and Policy
➤ Public Health Training Certificate for American Indian Health Professionals

➤ For more information regarding certificates, flip to page 50 or visit www.jhsph.edu/academics/certificate-programs

DEPARTMENTAL FUNDING
Master’s Programs
There are only a few tuition scholarships available to support students in their first year of study. MSPH tuition discount: after successfully completing 64 credits in didactic courses in year one, all students will receive a 75 percent discount in their second year, provided they are registered for a minimum of 16 credits each term. No special application is required for funding consideration; all admitted applicants will be considered. Students in the MHS in Health Economics degree are excluded from receiving this scholarship.

Doctoral Programs
The Department of International Health awards tuition scholarships for most doctoral students. The scholarship pays for 100% of tuition on each student’s first year, and 50% of tuition on their second through fifth year. This scholarship is given provided that all students are enrolled full-time (minimum 16 credits) and are in good academic status.
A few other departmental scholarships and fellowships are available.

➤ For more information regarding funding, tuition costs and financial aid, flip to page 64 or visit www.jhsph.edu/offices-and-services/student-affairs/financial-aid
The mission of the Department of Mental Health is to advance understanding of mental and behavioral disorders, to develop, implement, and evaluate methods to prevent and control these disorders, and to promote mental health in the population. The Bloomberg School’s Department of Mental Health is the only academic department solely dedicated to public mental health in the world.

The target outcome of mental health and mental disorders is the distinguishing feature of the Department of Mental Health. Mental disorders are disturbances of thinking, feeling, and acting which have a proximate cause in the brain. Disturbances of thinking include mental disorders like schizophrenia and dementia, as well as impairments in overall cognitive ability. Disturbances of feeling include emotional problems like mood and anxiety disorders. Disturbances of behavior include misuse of alcohol, use of illicit drugs and violence.

The department conducts research on the public health aspects of mental and behavioral disorders, but does not provide clinical training.

**Degree Programs**

- **MHS in Mental Health**
  - duration: 1 year**
  - application deadline: Jun 1

  The MHS is organized around a core set of four terms of graduate courses and a final research paper that demonstrates mastery of what has been learned in the coursework experience. The master’s degree is completed in one academic year. The MHS degree in the Department of Mental Health may be combined with a certificate program offered in another department of the Johns Hopkins Bloomberg School of Public Health, e.g., Health Education, Health Finance and Management, Health Policy, Health and Human Rights, Health Communication, Health Disparities and Health Inequality, Injury Control or Maternal and Child Health. These certificate programs are at no extra cost to full-time students and are available to enhance the mental health research educational experience.

- **BA/MHS in Mental Health**
  - duration: 5 years**
  - special application requirement: applicants must be enrolled in the undergraduate program in public health studies at Johns Hopkins University
  - application deadline: July 1 between junior and senior undergraduate years

  Undergraduate students currently enrolled in the Johns Hopkins University Krieger School of Arts and Sciences program in public health studies have a unique opportunity to receive both bachelor’s and master’s degrees. The Department of Mental offers early graduate school admission to students enrolled in this undergraduate program.

- **PhD in Mental Health**
  - duration: 4 to 7 years**
  - application deadline: Dec 15 (preferred)

  The doctoral program is organized around a core set of six terms of required graduate courses, followed by a comprehensive examination, usually scheduled at the end of the second year of study. After the comprehensive exam, the student prepares a prospectus for the thesis, which serves to assist examiners in the preliminary doctoral oral examination, usually taken during the third academic year.
year of study. The thesis, which represents a distinct increment to available knowledge and is deemed publishable by examiners, is often completed by the end of the fourth year of study.

DrPH in Mental Health  
duration: 5 years**  
special application requirement: must have an MPH or equivalent degree  
application deadline: Dec 15 (preferred)
The DrPH program in the Department of Mental Health focuses on the direct application of a broad range of knowledge and analytical skills in public mental health for individuals in leadership, policy analysis, finance and management positions. It has Schoolwide and department components. The Schoolwide component emphasizes advanced knowledge and skills associated with leadership, integration and application of skills in public health as broadly defined. The department component emphasizes knowledge and skills and their practical context for public mental health.

ADDITIONAL EDUCATIONAL OPPORTUNITIES

Certificates
The department offers the following certificate programs:
› Certificate in Public Mental Health Research
› Certificate in Mental Health Policy, Economics and Services

Post-Doctoral Training Opportunities
The department has several NIH-funded doctoral and postdoctoral training programs. These programs provide support for research training in public mental health:
› The NIMH Psychiatric Epidemiology Training Program
› The NIMH Child Mental Health Services and Service Systems Training Program
› The NIDA Drug Dependence Epidemiology Training Program
› The NIA Aging and Dementia Training Program

DEPARTMENTAL FUNDING
Financial support—including tuition, fees and stipend—is available for well-qualified applicants. The department is able to fund selected doctoral- and postdoctoral-level individuals through its NIMH and NIDA training programs and the Bloomberg School’s Sommer Scholars and Brown Scholars Programs.

Student Spotlight
Sarah Murray became interested in global mental health while working for the International Rescue Committee assisting refugees resettling in the U.S. She was often awed by the resiliency of the people she worked with and how despite their harrowing experiences, many had the ability to thrive. Sarah felt from this experience that there was a strong connection between mental health, the stressors of migration and individuals’ ability to function economically and socially in new environments. She believed there were broad structural challenges and a need for better evidenced mental health treatment, prevention, and promotion services in low-resource settings. For that reason, Sarah pursued higher education at Johns Hopkins Bloomberg School of Public Health, and specifically, the Department of Mental Health.

Sarah Murray is now a third year doctoral candidate in the Department of Mental Health, funded by a National Research Service Award from the National Institute of Mental Health. She previously received a Master of Science in Public Health from the School’s Department of International Health.

Sarah currently works with her adviser, Associate Professor Dr. Judith Bass, on several projects globally including a trial of a microfinance intervention for female survivors of sexual violence in the Democratic Republic of Congo and a trial of a parenting-skills intervention in eastern Uganda for caregivers of HIV-infected and HIV-exposed children. Her dissertation research will include using both qualitative and quantitative methods to understand how caregiver depression and anxiety impacts child physical growth in HIV-affected families in Uganda.

Sarah believes the best way to continue to address the gap between mental health treatment and promotion services and need is to build meaningful relationships of mutual learning with partners in low-resource settings. She looks forward to continuing to learn and foster these partnerships as she completes her degree.

Sarah Murray  
PhD Candidate  
Mental Health
Molecular Microbiology and Immunology (MMI) employs the disciplines of virology, bacteriology, parasitology, immunology, structural biology, biochemistry, molecular biology, vector biology and ecology to gain a deeper understanding of the interaction between host and infectious agent. Research is conducted at the population, organismal, cellular and molecular levels. This broad approach to the study of disease is based on the idea that public health problems can best be addressed by understanding basic biological mechanisms.

Research takes place in the laboratory, in the clinic, and in the field, as the faculty works to combat such enormous public health problems as malaria, sexually transmitted diseases, mosquito-borne encephalitis, tuberculosis, diarrhea, measles, AIDS and autoimmune diseases.

Graduates from the Department of Molecular Microbiology and Immunology go on to careers as faculty and research scientists in colleges, universities, medical schools, research institutes, government agencies and in the biotechnology and pharmaceutical industries.

DEGREE PROGRAMS

MHS in Molecular Microbiology and Immunology
duration: 1 year**
application deadline:
› April 1 (for international applicants)
› June 1 (for domestic applicants)

The MHS provides educational opportunities to students who do not wish to pursue a laboratory research program but wish to gain a greater knowledge in the field of infectious diseases.

MHS students complete 88 credit hours during the four terms of the academic year. Required courses, focusing on virology, parasitology, bacterial pathogenesis and public health ecology, account for about half of that number. Students work closely with faculty members, one of whom will serve as the student’s adviser and assist the student with exploring the literature and selecting a topic for the required essay. MHS students will present one seminar based on the essay topic.

All master’s students may first apply to the MHS program. In the third term of the first year, students who wish to do so may apply for transfer to the ScM program. Students who are certain they want to pursue a research-based degree that involves original research may apply directly to the ScM program.

**The time it takes to complete a degree may vary by student and circumstances
ScM in Molecular Microbiology and Immunology

duration: 2 years**

application deadline: April 1

The ScM is offered to students who wish to gain research experience in the laboratory or field.

In the first year of the program, ScM students complete the same core curriculum as MHS students. In addition to coursework, ScM students conduct one laboratory rotation, take a written comprehensive examination at the end of the first year and complete original research under the guidance of a faculty mentor. At the conclusion of their research, students submit a written thesis and present their thesis work at a departmental seminar.

The ScM degree is designed for students preparing for PhD programs or considering upper-level research positions in academia, government or industry.

PhD in Molecular Microbiology and Immunology

duration: 5 years**

application deadline: Dec 1

The PhD in MMI prepares students to become independent investigators in the biomedical sciences. The program includes coursework and written and oral exams, but the primary focus is the completion of original research and preparation of a research thesis.

Opportunities for PhD research in MMI are very diverse and include virology, bacteriology, parasitology, vaccine development, host innate and adaptive immunity, pathogenesis, autoimmunity, bioinformatics, ecology of infectious diseases and medical entomology. MMI PhD students learn mechanistic approaches to solving fundamental questions in microbiology and public health.

In the first year of the program, PhD students complete a core, three 11-week laboratory rotations and choose a thesis adviser. At the end of the first year, students must pass a comprehensive written examination in the form of a critical review of a scientific topic relevant to MMI which the students defend orally in front of a faculty committee. In the second year, students complete departmental and School course requirements, including a preliminary oral examination, and undertake thesis research. Over the course of the PhD program, students attend and participate in the departmental seminar and research forums. Research progress is monitored by annual meetings of the student’s advisory committee.

Learn “How to Apply” by flipping to page 58 or by visiting www.jhsph.edu/admissions

DEPARTMENTAL FUNDING

Funding sources are limited for master’s programs. ScM students in Molecular Microbiology and Immunology will be considered for a partial tuition fellowship beginning in the second year of their program.

All PhD students receive a stipend, a full tuition scholarship, and medical insurance.

For more information regarding funding, tuition costs and financial aid, flip to page 64 or visit www.jhsph.edu/offices-and-services/student-affairs/financial-aid

Research Spotlight

Researchers in the Department of Molecular Microbiology and Immunology are uncovering the mechanisms underlying infectious disease pathogenesis, hoping to combat infectious diseases through the development of novel preventive and therapeutic treatments.

These investigators are working to develop novel vaccines including a measles vaccine that could be administered to children less than six months of age; a universal influenza vaccine that recognizes proteins conserved across all strains of influenza; vaccines that block the transmission of malaria from mosquitoes to humans; and vaccines and treatments designed to block HIV and HSV infection and transmission.

Several laboratories are also analyzing protective immune responses induced by vaccines, how host factors, such as age and sex, impact responses to vaccines, and how immune responses to vaccines can be improved and maintained for longer periods of time.
Population, Family and Reproductive Health (PFRH) is an interdisciplinary department whose research, teaching and practice address issues concerning the health of children, adolescents, men, women and the elderly at both the family and population levels. The department’s efforts focus not only on the health and behavior of populations in the U.S., but on health care needs worldwide.

Research, evaluation and practice all play an integral role in the department’s academic programs and faculty efforts. Our dedicated faculty develop and apply a broad range of methods to research and professional practice. These methods are drawn from demography and related social sciences, developmental psychology, epidemiology, public health, health services research, nutrition, economics, policy analysis, family planning administration, medicine and nursing.

Teaching and research activities focus on human development across the lifespan, basic reproductive processes, and biological and social determinants of population change and its social and economic consequences. Within the University, PFRH serves as the primary academic base for the core discipline of demography.

Graduates in the department are trained as research scientists, administrators and health professionals for careers related to a broad spectrum of population, family and reproductive health issues.

DEGREE PROGRAMS

MHS in Demography

duration: 1 year**

application deadline: May 1

The MHS in Demography is designed to train students in the study of the size, distribution, structure and health of human populations. The first objective of this program is to give students the opportunity to acquire substantive and methodological skills applicable to a diverse range of public health issues in a variety of settings. The second objective is to increase the spectrum of professional opportunities by enabling them to market themselves as trained in demography.

The curriculum offers a broad range of theories related to demographic behavior and its consequences on society, the economy, politics and culture. Areas of specific interest within the department include fertility, migration, mortality, and aging along with mathematical components such as population data measures and demographic analysis. Students will leave with both qualitative and quantitative knowledge that will enable them to pursue careers in government, nongovernmental health organizations, academia or private organizations.

**The time it takes to complete a degree may vary by student and circumstances
The department also offers the MHS. This one-year academic program is designed for students who are interested in advancing their knowledge base related to a focal area within the department and wish to strengthen their research and analytic skills, improving their potential for career advancement. This program has a part-time option for working professionals.

Graduates of these programs combine prior career and educational training to go on to careers in policy, research and advocacy for NGOs, academic institutions, and government agencies.

MSPH
duration: 2 years**
application deadline: May 1

The two-year MSPH program is intended for individuals with a baccalaureate degree who may or may not have prior health-related work experience or whose public health-related work experience is less than two years. Through coursework, experience with faculty, and a four- to six-month internship, students acquire a sound orientation to general public health principles and to specific areas of public health relating to population, family and reproductive health.

Graduates go on to careers in complimentary fields in policy, research and advocacy for NGOs, academic institutions and government agencies.

PhD
duration: 5 years**
application deadline: Jan 2

The PhD program in Population, Family and Reproductive Health is designed for students whose career goals are focused on conducting publishable, independent and original research. Students may enter the program with little or no professional public health work experience. The emphasis of the PhD program in PFRH is to train individuals to apply a social science perspective along with a broad range of research methods to issues related to the department’s focal areas.

Graduates of the program use their acquired substantive and methodological skills in a wide range of work settings, including institutions and organizations for teaching and research, to shape population, family and reproductive health.

DrPH
duration: 5 years**
special application requirement: must have an MPH or equivalent degree
application deadline: Jan 2

The DrPH program in Population, Family and Reproductive Health is designed for individuals with a minimum of three years of full-time work experience in health and/or human services and an MPH or equivalent master’s degree. The goal of the program is to provide students with an understanding of the application of public health sciences as it relates to current knowledge in the department’s focal areas.

Graduates of the program are trained to assume leadership positions in public health integrating knowledge across a variety of related disciplines to inform national and international policy and programs.

DEGREE FOCAL AREAS
Once admitted into the department, students may design their research and studies among the following focal areas: adolescent health, child health, maternal and perinatal health, population and health, sexual and reproductive health, and women’s health. Additional areas being developed include: urban health, family health, neurodevelopment and behavior and health.
ADDITIONAL EDUCATIONAL OPPORTUNITIES

Certificates
The department offers the following certificate program:
› Certificate in Adolescent Health
› Certificate in Demographic Methods
› Certificate in Maternal and Child Health
› Certificate in Population and Health
› Certificate in Public Health Economics

DEPARTMENTAL FUNDING
Funding for master’s and doctoral students is determined on a case by case basis. All second-year MSPH students in good standing receive a 75 percent Master’s Tuition Scholarship from the School.

The department is committed to helping doctoral students finance their degree. Some funding is available through training grants and departmental and Schoolwide scholarships and awards.

Doctoral students in the department are encouraged to also apply for outside funding sources to supplement any tuition awards they may receive. There are also limited opportunities for support through research assistantships, teaching assistantships and departmental and school wide honors and awards.

STUDENT SPOTLIGHT
Lizzie Harvey is committed to advancing domestic maternal and child health research to inform and advocate for programs and policies on behalf of those who do not have a voice. Direct service work with children in foster care and adoption in New York City opened her eyes to social disparities in health and the need to protect those who are vulnerable.

Lizzie applied both her knowledge and work experience from her MPH in Maternal and Child Health from The Gillings School of Global Public Health at UNC-Chapel Hill to a CDC-CSTE Applied Epidemiology Fellowship at the Massachusetts Department of Public Health where she focused on prematurity, infant mortality and home visiting projects.

In the PhD program in the Department of Population, Family and Reproductive Health, Lizzie focused on perinatal health and epidemiological methods classes to inform her research approach. She has integrated her program with projects on hospitalizations during pregnancy, developmental outcomes of premature infants, resource assessments of parents of Children with Special Health Care Needs, and quality improvement and policy implementation programs in the Neonatal Intensive Care Unit. Now a third year PhD student, Lizzie hopes to continue to pursue dissertation research at the state level on the risks and consequences of hospitalizations during pregnancy and future pregnancy outcomes.

For more information regarding certificates, flip to page 50 or visit www.jhsph.edu/academics/certificate-programs

For more information regarding funding, tuition costs and financial aid, flip to page 64 or visit www.jhsph.edu/offices-and-services/student-affairs/financial-aid
Master of Public Health

The MPH is a Schoolwide program designed to provide students with a population perspective on health. The program prepares students to become leading public health professionals capable of addressing current global public health problems through multidisciplinary approaches using the latest scientific knowledge.

The MPH is a flexible program, fulfilling a variety of professional and career goals. Students may study full-time on the Baltimore campus or part-time over the Internet. Full- and part-time students fulfill the same academic requirements and receive the same degree.

CHOICE OF FORMAT

Full-Time Study
duration: 11 months**
special application requirement: health-related experience and college-level coursework—see page 44
application deadline: Dec 15
The full-time option is a concentrated 11-month course of study on the East Baltimore campus. The program begins with an orientation in late June/early July.

Online/Part-Time Study
duration: up to 3 years**
special application requirement: health-related experience and college-level coursework—see page 44
application deadlines
› Jul 1 (for Nov start in Baltimore)
› Jul 1 (for Jan start in Baltimore)
› Dec 15 (for June start in Baltimore)

**The time it takes to complete a degree may vary by student and circumstances

Online/Part-time students complete the degree within three years of matriculation through a combination of online and in-person classes.

Students may earn up to 80 percent of their academic credits online. The remaining coursework may be completed on the East Baltimore campus during regular terms, through intensive Summer and Winter Institutes or at other sites where Johns Hopkins Bloomberg School of Public Health courses are offered for credit.

MPH CURRICULUM

The MPH program provides a balance between a broad-based core curriculum and an individual’s public health interests. The curriculum, grounded in critical disciplines and competencies of public health, includes the following core courses:
› Environmental Health
› Principles of Epidemiology
› Problem Solving in Public Health
› The Tools of Public Health Practice
› Public Health Policy
› Intro to Bioethics

Students undertake coursework in the following areas:
› Biostatistics
› Public Health Biology
› Management Sciences
› Social and Behavioral Sciences

And complete the following projects:
› MPH Individualized Goals Analysis—completed within two terms of matriculation, a plan of study meeting the student’s educational and professional goals.
› Practicum Experience in Population-based Health

Program Chair
Marie Diener-West, PhD

Senior Program Manager
Paul Whong
888-548-6741 or 410-955-1291
mphprog@jhu.edu

Degree Programs
› Master of Public Health (MPH)
  Schoolwide degree with the option to customize or concentrate in one of the following:
  - Child and Adolescent Health
  - Epidemiologic and Biostatistical Methods for Public Health and Clinical Research
  - Food, Nutrition and Health
  - Global Environmental Sustainability and Health
  - Health in Crisis and Humanitarian Assistance
  - Health Leadership and Management
  - Health Systems and Policy
  - Infectious Diseases
  - Social and Behavioral Sciences in Public Health
  - Women’s and Reproductive Health
› Combined Programs
  - MPH/MBA
  - MPH/MSW
  - MSN/MPH
  - JD/MPH
  - MPH/MD

www.jhsph.edu/mph
or a desire to explore several different areas within public health. Such students often prefer access to a wide range of course content throughout the academic year.

- Learn more about the Customized Program of Study at www.jhsph.edu/academics/degree-programs/master-of-public-health/curriculum/concentrations-and-customizing/customized-program-of-study.html

Child and Adolescent Health
The MPH concentration in Child and Adolescent Health (CAH) focuses on understanding developmental and health issues of children and adolescents across the globe, the nature and scope of the multiple determinants of their health status, and the range of public health programs to address the health and well-being of children and their families, in domestic and international settings.


Epidemiologic and Biostatistical Methods for Public Health and Clinical Research
This concentration is designed for students with quantitative backgrounds who wish to pursue a rigorous curriculum in epidemiologic study design and statistical data analysis. The goal of this concentration is to introduce students to the design and conduct of a research study in public health as well as to perform a data set analysis that allows them to put concepts into practice. This concentration is best suited for students who have already worked in a particular substantive area and have identified specific research questions.


Food, Nutrition and Health
This concentration provides students with an opportunity to focus their study on food and nutrition as it affects health and integrate this information with other coursework in order to develop the skills to understand and address nutrition problems in the U.S. and around the world.


Global Environmental Sustainability & Health
This concentration provides students with an understanding of how human consumption and standards of living have exceeded the carrying capacity of the earth. How, as a result, the environmental resources upon which we depend have been severely compromised and how this affects the health of individuals, communities and the global population. Specifically, students will learn how land use (including patterns of suburban sprawl), transportation patterns and systems, energy use, food production and distribution, water use, and population growth contribute to climate change, ecosystem degradation, and species extinctions and biodiversity losses, and how these, in turn, threaten human health on local, regional, and global scales.


Health in Crisis and Humanitarian Assistance
This concentration focuses on health of populations in crisis, internationally and domestically. These include refugees, internally displaced persons (IDPs), populations affected by natural and human-made disasters, victims of human rights abuse and survivors of human trafficking. The coursework will focus on why populations become vulnerable and the health issues they face. Preparedness, advocacy and response to promote effective and equitable interventions will be stressed. Emphasis will also be placed on gaining expertise in methods to assess needs and provide assistance to displaced populations and other vulnerable groups.
Learn more about the Health in Crisis and Humanitarian Assistance Concentration at www.jhsph.edu/academics/degree-programs/master-of-public-health/curriculum/concentrations-and-customizing/health-in-crisis.html

Health Leadership and Management
This concentration provides students with an understanding of the challenges of organizational leadership and management in the health sector. The concentration is aimed at individuals whose responsibilities require them to have the knowledge and skills essential to balance the demands of leading and managing during times of change, but do not require a full management degree. Students will gain a fundamental understanding of leading and managing health organizations in a range of settings in both domestic and international settings.


Health Systems and Policy
This concentration develops skills and knowledge related to analysis and decision-making for health systems’ organization, financing and service delivery in the U.S. and internationally. The curriculum focuses on health policy analysis and formulation, financing, organization and oversight of health systems, and policies and programs for disease prevention, injury control and other public health priorities. This concentration area is aimed at developing skills, knowledge and attributes for policymakers, policy analysts and senior managers of health systems. The concentration emphasizes planning and managing national and international programs, institution building, and related analysis.


Infectious Diseases
This concentration provides students with competencies in multiple disciplines including epidemiology, immunology, microbiology, parasitology, and vector-borne diseases to address critical problems in the control and prevention of infectious diseases. Students who complete the concentration gain special expertise in the pathogenesis, epidemiology, and control of infectious diseases appropriate for careers within state health departments, federal agencies or the pharmaceutical industry conducting research in these matters. Students are exposed to the fundamental concepts underlying the epidemiology and control of a number of infectious diseases affecting global health.

Learn more about the Infectious Diseases Concentration at www.jhsph.edu/academics/degree-programs/master-of-public-health/curriculum/concentrations-and-customizing/infectious-diseases.html

Alumni Spotlight
Varsha Ramakrishnan wanted to be a doctor from a very young age. Her father a banker and her mother a physician, dinner table discussions included health economics, disparities and policy.

Varsha achieved her goal of medical school and attended Kasturba Medical College in India. During her studies, Varsha worked in rural government hospitals. It was an eye-opening experience. The topics of those early dinner conversations were now before her and the experience further developed Varsha’s growing passion for preventative and social medicine.

“In the world today, problems seem to scream from different corners but solutions appear to be a mere figment of the imagination. Making an impact to many begins with a novel notion and the quest for it is my life’s passion.”

This spring, Varsha became the inaugural recipient of the 2013 Johns Hopkins-Pulitzer Center Global Health Reporting Fellowship. The fellowship, a collaboration between the Bloomberg School and Pulitzer Center of Crisis Reporting, provides the opportunity to complete an international field-reporting project under the guidance of Pulitzer Center editors. As a fellow of this program, Varsha will travel to India this summer to report on dowry violence against women in India.

Varsha Ramakrishnan
MPH ’13
Johns Hopkins-Pulitzer Center Global Health Reporting Fellow
Social and Behavioral Sciences in Public Health

Students completing this concentration can gain skills in designing, implementing and evaluating programs promoting healthy behaviors in international and/or domestic settings. Students can also focus on analysis of psychological and social influences on health and behavior. They can obtain skills necessary for working with diverse populations, on a variety of health topics, and in non-profit organizations and government agencies at all levels. The concentration includes required and elective courses, a special seminar, and a capstone experience. Students completing this concentration may be eligible to take the national exam to become a Certified Health Education Specialist.


Women’s and Reproductive Health

This concentration focuses on understanding the health status of women with regard to their general and reproductive health, the determinants of their health status, and preventive strategies and programs to address women’s health and well-being, as well as the health of their newborns. Students may opt to focus on women’s, reproductive or perinatal health issues either domestically or in a developing country setting.


ADDITIONAL ACADEMIC OPPORTUNITIES

Combined Programs

Graduate students working towards degrees in medicine, nursing, business, social work or law may integrate their degree programs with the Master of Public Health.

- For more information regarding these and other combined programs, flip to page 45 or visit [www.jhsph.edu/academics/academicprograms/combined_programs](http://www.jhsph.edu/academics/academicprograms/combined_programs)

Applying to the MPH

Applications to the Schoolwide MPH are processed through the Schools of Public Health Application Services (SOPHAS).

Detailed information may be found on the Admissions Services website.

All other Bloomberg School degree, residency and certificate applications are processed through Admissions Services.

- Not sure which application to use? Visit [www.jhsph.edu/admissions/how-to-apply](http://www.jhsph.edu/admissions/how-to-apply) or contact Admissions Services at jhsph.admiss@jhu.edu

MPH ADMISSIONS REQUIREMENTS

The MPH program has admissions requirements beyond what other Bloomberg School programs require. These additional requirements include:

- Health-related experience beyond the baccalaureate level. This requirement may be fulfilled by:
  - A minimum of two years of full-time, post-baccalaureate, health-related work experience
  - A doctoral degree in a field underlying public health
  - Completion of two years of medical school curriculum

The experience requirement is waived for applicants to the MPH/MSW, JD/MPH and MSN/MPH degree programs.

- Successful completion of at least one college-level course in the following:
  - mathematics (e.g., calculus, algebra, statistics)
  - general biology
  - health-related science (e.g., nutrition, microbiology, anatomy or physiology), OR another biology course

- Submission of standardized test scores, such as the GRE, MCAT, GMAT or LSAT. MPH applicants who have a graduate degree beyond the baccalaureate may request an application review without the submission of standardized test scores. However, this may place the applicant at a disadvantage in the admission or scholarship selection process.

- For more information on MPH degree application requirements, the SOPHAS application and/or where to submit supporting materials, visit [www.jhsph.edu/admissions/how-to-apply/mph-application-instructions](http://www.jhsph.edu/admissions/how-to-apply/mph-application-instructions)
Combined Degree Programs

Graduate students working towards degrees in medicine, nursing, business, social work, international relations or law may integrate their degree programs with a public health degree from the Johns Hopkins Bloomberg School of Public Health. These degrees will provide students with additional credentials and unique skill sets that will prepare them for careers within their fields requiring a high degree of health care expertise.

Current PhD students in the Bloomberg School may pursue an additional master’s or doctoral degree, and undergraduates majoring in public health studies at the Johns Hopkins University (JHU) may enroll in a BA/MHS or MSPH degree program. The Bloomberg School’s Committee on Academic Standards approves these degree programs.

DEGREE PROGRAMS OFFERED WITH OTHER SCHOOLS AND INSTITUTIONS

BA/MHS or BA/MSPH
The Johns Hopkins University Zanvyl Krieger School of Arts and Sciences, in conjunction with the Bloomberg School, offers an undergraduate major in public health studies. The major has been tailored to prepare students for careers that have a basic science foundation, including medicine, and to familiarize students with health policy and management issues (domestic and international), with other social and behavioral sciences and with the quantitative sciences fundamental to public health.

The departments of Environmental Health Sciences and Health Policy and Management will consider JHU undergraduates majoring in public health studies for admission to the BA/MSPH program. The departments of Environmental Health, Epidemiology and Mental Health also offer the option of a BA/MHS.

Admitted students must complete the BA degree before formally enrolling in the Bloomberg School.

► For more information, contact the appropriate Bloomberg School department’s academic coordinator or the public health studies adviser on the Homewood campus: Dr. James D. Goodyear, 410-516-7812, goodyear@jhu.edu

► For more information regarding application requirements, flip to “How to Apply” on page 58 or visit www.jhsph.edu/admissions

MA/MSPH
This joint degree program combines the Master of Arts (MA) in International Relations degree at the Paul H. Nitze School of Advanced International Studies (SAIS) in Washington, D.C., with a Master of Science in Public Health (MSPH) in International Health degree at the Bloomberg School. Both two-year programs may be completed in a total of three years.

The program is designed to prepare students for careers requiring a high level of public health expertise and a sophisticated understanding of international, political, socioeconomic and cultural issues. It emphasizes the synthesis of knowledge and experience essential for planning and managing health services in a variety of settings around the world. Students in the combined MA/MSPH program begin in August and normally spend one and a half years completing coursework at the Bloomberg School and a practicum. The start date of the SAIS portion may depend on the program selected. Interested applicants should visit the SAIS website for additional details.

The SAIS program emphasizes public policy, development economics, regional studies and foreign language instruction. The Bloomberg School’s component stresses the basic disciplines of epidemiology, biostatistics and health policy and planning, along with specialized training in public health.

Candidates must submit separate applications to each school and admission is offered by both. Students already enrolled in one school will be considered by the other school in competition with all other applicants for admission to the incoming class.

► For SAIS admissions information, visit www.sais-jhu.edu/graduate-studies/admissions-and-aid/prepare.
**MPH Combinations**

**JD/MPH**
The JD/MPH program prepares students in the overlapping fields of law, public health, policy and ethics. Eligible candidates must apply and be accepted into the full-time MPH program at the Bloomberg School of Public Health and also separately apply and be accepted into the full-time program at Georgetown University Law Center or into another accredited U.S. or Canadian law school for the Juris Doctor degree, taking care to indicate on the application the appropriate beginning year for the MPH program. Students in the JD/MPH program will earn a Juris Doctor degree from their accredited law school and a Master of Public Health degree from Johns Hopkins.

This degree program is only offered in a full-time format and takes a total of four years to complete. Students will complete one or two years of the JD degree program at an accredited law school, which is a minimum of two full-time semesters. Then, starting in July, spend 11 months completing the MPH program requirements. They will then return to their law school to complete the remaining year(s) of their JD program. To be eligible for the JD/MPH program, the applicant must provide written approval from the student’s law school to take a leave of absence for one year to attend Johns Hopkins.

JD/MPH applicants apply through SOPHAS and need not have fulfilled the usual MPH requirement of either an advanced degree or two years of health-related work experience at the time of admission to Johns Hopkins. All other MPH admission prerequisites such as, college-level math and biological science coursework must be completed. The MPH degree is awarded upon the student’s successful completion of the JD degree.

- For more information on the MPH/ JD, contact Professor Jon Vernick at 410-955-7982 or Professor Stephen Teret at 410-955-3995
- For more information on the program with Georgetown Law program, see the above contact and visit [www.law.georgetown.edu/academics/academic-programs/jd-program/joint-degree-programs/index.cfm](http://www.law.georgetown.edu/academics/academic-programs/jd-program/joint-degree-programs/index.cfm)

**MPH/MBA**
The Bloomberg School, in conjunction with the Carey Business School of Johns Hopkins University, offers a combined Master of Public Health (MPH) and Master of Business Administration (MBA) degree program. This unique, 21-month, full-time program of study enables students to integrate the philosophies, functions and competencies of the fields of public health and business addressing a growing sector targeting cost-effective health care and public health approaches. Students acquire knowledge and skills in the principles of population-based health as well as finance management and strategic planning. Graduates will be able to assess the public health needs of a defined population; analyze, develop and implement targeted health policies and programs; serve as change agents within their own environments and take leadership roles in organizations and their communities.

Applications for the MPH/MBA are processed through SOPHAS. Requirements and deadlines are the same as the full-time MPH program. The admissions committees of both schools will review all applications.

- For more information, contact the MPH Program Office at 410-955-1291 or mphprog@jhu.edu

**MPH/MSW**
In collaboration with the University of Maryland School of Social Work (UMSSW), the Bloomberg School offers the MPH and Master of Social Work (MSW) program. This combination provides students with the knowledge and skills needed to become effective practitioners and leaders in health-related agencies and settings. Students obtain a population-based perspective as well as expertise in the quantitative sciences that, when combined with training in social work, prepares them to be effective members of the social work community who can plan, implement and evaluate such programs.

The MPH/MSW program is designed for full-time students. Students normally complete one year of the MSW program at UMSSW and then spend 11 months (starting late June or early July) completing the requirements for the MPH program, returning to UMSSW to complete the MSW program. The MPH degree is awarded upon completion of the MSW degree.

Interested applicants must apply to each school separately and simultaneously. The application to the MPH portion is processed through SOPHAS and applicants should take care to indicate the appropriate year they will begin the MPH program. The standard MPH admission prerequisite of previous health-professional training or two years of health-related experience is waived. All other prerequisites must be met.

Applicants must send their official transcripts and GRE scores separately to each school, and must also provide separate recommendations using the appropriate forms.

- Further information about the University of Maryland’s MSW program may be obtained by contacting the Office of the Associate Dean for Admissions at 410-706-8044

**MPH/MD**
Medical students desiring a Master of Public Health (MPH) typically enroll in the MPH program between their third and fourth years of medical school. Medical students must apply to the program and request a leave of absence from medical school. The years of medical training will fulfill the two years of health experience required for admission to the School’s MPH program.

Hopkins also offers a combined medical and public health degree program with the Georgetown Medical School.

Students in the MD/MPH program will earn an MD from their medical school and an MPH from Johns Hopkins.

- For information on the MPH/ MD program, contact the MPH program office at 410-955-1291 or mphprog@jhu.edu
- For information on the Georgetown program, visit [http://som.georgetown.edu/prospectivestudents/degrees/dualdegree](http://som.georgetown.edu/prospectivestudents/degrees/dualdegree)
**MSN/MPH**

The Johns Hopkins University School of Nursing and the Bloomberg School offer a Master of Science in Nursing (MSN) and Master of Public Health (MPH) degree program. This 18-month curriculum of full-time study is designed specifically for nurses seeking to link their clinical and managerial interests with public health so as to streamline the delivery of nursing services in a variety of settings. Two-thirds of the program consists of core courses in nursing and public health; the remaining elective courses allow students to pursue individualized concentrations. Please note that both degrees will be awarded jointly on a single diploma.

Applications for the MSN/MPH degree program must be obtained from and submitted to the School of Nursing, and will be reviewed by the admissions committees of both the School of Nursing and the Bloomberg School. The steering committee for the degree program will make the final admission decision.

- For more information and an application, contact the Office of Admissions and Student Services, Johns Hopkins School of Nursing, 410-955-7548 or http://nursing.jhu.edu/academics/programs/masters/msn-mp/index.html.

---

**MSPH/MI (Peace Corps Master’s International)**

MSPH students in the departments of International Health and Population, Family and Reproductive Health have the opportunity to combine academic coursework with a rewarding Peace Corps experience through the Peace Corps.

- For information on the program through the Department of International Health, visit www.jhsphs.edud/units/international-health/masters-degrees/msph/peace-corps/index.html.

- For information on the program through the Department of Population, Family and Reproductive Health, visit www.jhsphs.edud/units/population-family-and-reproductive-health/degree-and-certificate-programs/degree-program-msph-pcmi/.

- For more information regarding the Peace Corps, visit www.peacecorps.gov

---

**MD/PhD**

The Bloomberg School, in conjunction with the Johns Hopkins School of Medicine, offers the MD/PhD degree program. Admitted students complete two years of medical school before pursuing a PhD program full-time at the Bloomberg School. After completion of the PhD degree requirements, students return to the School of Medicine to complete the MD degree. Candidates for the MD/PhD degree must fulfill all of the normal requirements for the PhD degree. Prospective students must submit application materials to the Admissions Office at the School of Medicine.

- For more information, visit the program’s website at www.hopkinsmedicine.org/mdphd, or contact the MD/PhD Program Administrator, Ms. Sharon Welling (swelling@jhmi.edu or 410-955-8543).

---

**COMBINED DEGREE PROGRAMS OFFERED WITHIN THE BLOOMBERG SCHOOL**

**Note:** The PhD program is the primary program of study for any student accepted into a concurrent master’s degree program.

**Doctoral/MHS in Biostatistics**

The Department of Biostatistics provides students who are candidates for doctoral-level degrees in one department of the School with the opportunity to earn a Master of Health Science (MHS) degree in Biostatistics during the course of their doctoral studies.

Candidates must apply directly to, and be admitted by, the Department of Biostatistics. Accepted students must have the permission of their doctoral department to enroll and to complete all requirements for the MHS degree. The MHS must be relevant to the candidate’s field of doctoral study and must not impede progress in the doctoral program.

- For information about MHS programs in Biostatistics, contact Mary Joy Argo at 410-614-4454 or margo@jhu.edu

**Doctoral/MSPH in International Health**

The Department of International Health provides students who are candidates for doctoral-level degrees in one department of the Bloomberg School with the opportunity to earn a Master of Science in Public Health (MSPH) degree from the Department of International Health during the course of their doctoral studies. A similar opportunity exists for PhD students in the Department of the History of Medicine in the Johns Hopkins School of Medicine.

Candidates must apply directly to, and be admitted by, the Department of International Health. Accepted students must have the permission of their doctoral department to enroll and to complete all requirements for the MSPH degree. The MSPH must be relevant to the candidate’s field of doctoral study and must not impede progress in the doctoral program.

- For information about International Health MSPH programs, see page 31 or call 410-955-3734

2015-2016 JHSPH Academic Prospectus 47
The Bloomberg School offers two residency programs for physicians. Both are two years in duration. The first year is primarily an academic year in which the MPH degree is earned. The second year is a practicum year during which residents fulfill rotation requirements.

General Preventive Medicine Residency Program

duration: 2 years**

special application requirement: must have completed at least one year of ACGME-accredited clinical training (PGY-1) in the U.S.

application deadline: Dec 1

The General Preventive Medicine Residency (GPMR) prepares physicians in the theoretical, practical, and clinical knowledge and skills essential to leadership roles in the design, management, and evaluation of population-based approaches to health. Preventive medicine is the medical practice focusing on the health of individuals, communities, and defined populations. Its goal is to protect, promote and maintain health and well-being and to prevent disease, disability and death.

The program is fully accredited by the Accreditation Council for Graduate Medical Education (ACGME). Completion of the program leads to eligibility for certification by the American Board of Preventive Medicine.

Graduating medical students in the U.S. or Canada have the option of selecting the GPMR through the National Resident Matching Program; such residents do a rotating internship at the Mary Imogene Bassett Hospital in Cooperstown, N.Y., prior to beginning their academic year at Johns Hopkins. Applicants for this position must apply simultaneously to GPMR for admission to begin the year following the internship. This combined internship/residency program is limited to one resident each year.

Program Overview

The first year of residency training begins in July and is a combined residency and Master of Public Health (MPH) degree year. The MPH program is enriched by a two-month summer orientation to the specialty of preventive medicine. Throughout the year, preventive medicine seminars, annual Grand Rounds, and a preventive medicine core course enhance the educational program. Residents are expected to participate in preventive medicine research during the academic and/or practicum years of the residency; publication and presentation of research results are encouraged. Residents will also participate in a weekly clinic experience in each year of the program to fulfill the new clinical requirement.

The second year of the program is designed to train the resident in a variety of preventive medicine skills through practical preventive medicine rotations that last two to three months each. The program offers approximately 20 different established rotations in a wide variety of local, state, federal and international public health settings. Residents complete a minimum of one rotation in each of the following competency areas: biostatistics/epidemiology, management and administration/medical management, and either clinical preventive medicine or occupational medicine/environmental health.

A one-month elective in preventive medicine is available for third- or fourth-year medical students.

**The time it takes to complete a degree may vary by student and circumstances
students who have completed some clinical rotations, as well as for residents in other specialties.

Also available and in conjunction with the Franklin Square Hospital Center Department of Family Medicine, is a joint program in Family Medicine and Preventive Medicine.

**Funding**
All residents receive full tuition, stipend support, as well as individual health, dental, life and disability insurance coverage.

> For more information on the GPMR, visit [www.jhsph.edu/academics/residency-programs/general-preventive-medicine-residency](http://www.jhsph.edu/academics/residency-programs/general-preventive-medicine-residency)

**Occupational and Environmental Medicine Residency Program**

(duration: 2 years**

special application requirement: must have completed at least one year of ACGME-accredited clinical training (PGY-1) in the U.S.

application deadline: Oct 31

The overall objective of the Occupational and Environmental Medicine Residency (OEMR) is to train specialists for careers in any of the major sectors of the field—academia, industry, government, clinical practice, or labor—and provide expertise in both clinical and preventive aspects of occupational and environmental medicine.

The program is fully accredited by the Accreditation Council for Graduate Medical Education (ACGME). Completion of the program leads to eligibility for certification by the American Board of Preventive Medicine.

**Program Overview**

During the duration of the 24-month OEMR program, residents complete coursework leading to the Master of Public Health (MPH) degree, plus certain experiences specific to the residency such as seminars, research projects and plant visits. In addition, residents participate in practicum rotations in a variety of settings, including clinical, government, industry and union organizations.

**Funding**

All residents receive full tuition, stipend support, as well as individual health, dental, life and disability insurance coverage.

> For more information on the OEMR, visit [www.jhsph.edu/academics/residency-programs/general-preventive-medicine-residency](http://www.jhsph.edu/academics/residency-programs/general-preventive-medicine-residency)

**ADMISSIONS REQUIREMENTS**

To apply to a residency training program, submit a complete application to Admissions Services.

**DO NOT APPLY THROUGH SOPHAS.**

> Learn “How to Apply” by flipping to page 58 or by visiting [www.jhsph.edu/admissions](http://www.jhsph.edu/admissions)

In addition to the application materials required by Bloomberg School admissions, residency applicants must also submit the following:

> USMLE scores
> Medical school dean’s letter
> ECFMG certification (if applicable)
> Verification of clinical training (a summative evaluation of internship training from the clinical program director will be requested once the applicant has been admitted)

Interviews are required. Applicants selected for interviews are contacted directly by the program office.

**ERAS**

Applicants may also use the ERAS system to apply. Bloomberg School admissions will accept letters of recommendation and USMLE scores from the ERAS system, but all official transcripts must be sent directly to the admissions office.

If you choose to use the ERAS system, you MUST also complete the Bloomberg School application.

*Please note: Admission to the Bloomberg School’s Master of Public Health (MPH) program is a prerequisite for admission to the residency program.*
Certificate Programs

What is a Certificate?
Certificate programs offer focused academic training in specific areas of public health. They are designed for currently enrolled Johns Hopkins graduate students and post-doctoral trainees and/or non-degree students who have earned at least a bachelor’s degree from an accredited institution.

A growing number of certificates may be completed entirely online.

Eligibility, admissions and completion requirements vary by certificate. We’ve done our best to list any special application requirement under the appropriate certificate. However, these requirements can change and you should contact the appropriate certificate administrator with any questions.

For more information about our certificates, visit www.jhsph.edu/academics/certificate-programs

To learn how to apply to a certificate, see www.jhsph.edu/academics/certificate-programs/how-to-apply

CERTIFICATE PROGRAMS FOR HOPKINS DEGREE STUDENTS

Adolescent Health
Population, Family and Reproductive Health
available start term(s): September
special application requirement: open to JHU graduate students only
application deadline: rolling
This certificate program focuses on the health and welfare of adolescents and youth with particular attention on adolescent pregnancy, substance abuse, violence prevention and mental health promotion. Those earning the certificate will be able to apply knowledge of adolescent growth and development, positive youth development, and cultural and ethical considerations of youth to design, implement and evaluate adolescent health-related research, programs and policies. Some topic areas include: primary causes of adolescent mortality and morbidity; adolescent growth and development; ethical issues inherent in working with adolescents who are legal minors; policy and legislation that affects adolescent health.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-students/adolescent-health.html

Bioethics and Health Policy
Health Policy and Management
available start term(s): September, January
special application requirement: open to JHU graduate students only
application deadline: June 13 (for Sept), Oct 17 (for Jan)
The Certificate in Bioethics and Health Policy is designed for any graduate student enrolled in a program at the Johns Hopkins University. The focus of the certificate is to develop students’ ability to recognize and analyze moral problems in public health practice and research. The certificate will also develop ones’ ability to further the public policy debate concerning moral problems faced in public health practice and research.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-students/bioethics-and-health-policy.html

Community-Based Public Health
Health, Behavior and Society
available start term(s): July, September, November, January and March
special application requirement: open to JHU graduate students only
application deadline: rolling
This certificate will train recipients in the skills and knowledge necessary for community-based public health program development, management and evaluation, community-based participatory research (CBPR) and other research in community settings. It will also train students in key competencies for community-based public health practice.
and research, including: cultural competence; an understanding of the social and environmental causes of disease; and skills for collaborations across academia, health departments and community organizations.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-students/community-based-public-health.html

Gerontology
Epidemiology / Health Policy and Management
available start term(s): September, January
special application requirement: open to JHU graduate students only
application deadline: June 13 (for Sept), Oct 17 (for Jan)

The Certificate in Gerontology is designed for doctoral students and post-doctoral fellows who are committed to a career in the field of gerontology and who wish to be broadly trained in gerontological competencies as well as in their particular area of specialization.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-students/gerontology.html

Health and Human Rights
Environmental Health Sciences
available start term(s): July, September, November, January and March
special application requirement: open to JHU graduate students only
application deadline: rolling

The Certificate Program in Health and Human Rights is designed to: increase understanding and foster positive attitudes among health professionals regarding the key linkages among human rights ideals, legal guarantees of human rights, and the promotion and protection of public health; elaborate and explain details regarding the underlying causes of health inequalities and how to develop and implement effective solutions.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-students/health-and-human-rights.html

Health Communication
Health, Behavior and Society
available start term(s): July, September, November, January and March
special application requirement: open to JHU graduate students only
application deadline: rolling

Students completing the certificate will have a basic understanding of the theoretical and applied aspects of Health Communication. Competencies achieved will include, but are not limited to: 1) awareness of behavior change and communication theories; 2) knowledge of media effects and audiences’ use of media/communication modes; and 3) recognition of quantitative and qualitative methods used in the study of Health Communication. Additionally, the Health Communication Certificate program will familiarize students with the design and evaluation (formative, process and summative) of communication messages, campaigns and programs.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-students/health-communications.html

Health Disparities and Health Inequality
Health Policy and Management
available start term(s): September, January
special application requirement: open to JHU graduate students only
application deadline: June 13 (for Sept), Oct 17 (for Jan)

The Certificate in Health Disparities and Health Inequality is open to students enrolled in any graduate degree program at Johns Hopkins University. The goal of the certificate program is to train future leaders in research on health disparities and health inequality, and to train individuals to identify the underlying causes of health inequalities and how to develop and implement effective solutions.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-students/health-disparities-and-health-inequality.html

Health Education
Health, Behavior and Society
available start term(s): July, September, November, January and March
special application requirement: open to JHU graduate students only
application deadline: rolling

Upon completion of the core courses for the certificate, students will have gained a broad understanding of health education principles, theories and strategies and will possess the competencies considered central to effective health education and promotion practice. Students will be able to assess individual and community needs for health education, plan and implement effective health education programs, evaluate the effectiveness of health education programs and coordinate the provision of health education services.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-students/health-education.html
Humanitarian Assistance
International Health
available start term(s): n/a
special application requirement: open to JHSPH graduate students only
application deadline: rolling

This certificate program focuses on humanitarian assistance in the international health context. The program is a major educational activity of the Center for International Emergency, Disaster and Refugee Studies. The Center receives technical assistance from the International Committee of the Red Cross, American Red Cross, UN High Commission for Refugees, U.S. Public Health Service and various humanitarian agencies and organizations.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-students/humanitarian-assistance.html

Maternal and Child Health
Population, Family and Reproductive Health
available start term(s): July, September, November, January and March
special application requirement: open to JHU graduate students only
application deadline: rolling

Upon completion of the core courses of the Maternal and Child Health (MCH) Certificate, individuals will gain a broad understanding of the field that focuses on the health and welfare of women and children. Competencies achieved will include, but are not limited to: understanding of the biological, social, and behavioral basis for a MCH program; knowledge of the historical development of the field of MCH; knowledge of significant past and current national legislative mandates relative to MCH; and an ability to identify essential gaps in existing programs serving mothers and children.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-students/maternal-and-child-health.html

Public Health Preparedness
Health Policy and Management
available start term(s): September, January
special application requirement: open to JHSPH graduate students only
application deadline: June 13 (for Sept), Oct 17 (for Jan)

The Certificate in Public Health Preparedness is designed to provide the essential tools needed by public health practitioners to prepare for natural disasters, terrorism and other emerging threats. Students enrolled in this certificate will be trained to identify the major threats to public health and to identify public health issues during emergency situations and how to integrate the risk sciences, public health practice and public health surveillance systems as they relate to preparedness and emergency response.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-students/public-health-preparedness.html

Vaccine Science and Policy
International Health
available start term(s): n/a
special application requirement: open to JHSPH graduate students only
application deadline: rolling

The certificate program provides a framework for understanding vaccine science and policy, from clinical research to implementation, in both the U.S. and internationally.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-students/vaccine-science-and-policy.html

Environmental and Occupational Health
Environmental Health Sciences
available start term(s): July, September, November, January and March
special consideration: may be completed online
application deadline: rolling

This certificate educates and trains students to identify major environmental health issues facing public health professionals. Courses explore sources of environmental agents, their distribution in community and work environments, routes of human exposure and possible health effects; basic biological mechanisms underlying the association between exposure and development of adverse health effects, and control strategies and interventions.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/environmental-and-occupational-health.html

Demographic Methods
Population, Family and Reproductive Health
available start term(s): July, September, November, January and March
application deadline: rolling

The certificate is designed to serve two audiences—masters or doctoral degree students at the Johns Hopkins University and junior and mid-level professionals—desiring to gain skills in applying demographic analytic methods to identify or forecast public health problems and evaluate the effectiveness of policies or interventions aimed at mitigating them. Demographic analytic methods are used to calculate denominators of health measures.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/demographic-methods.html
Epidemiology for Public Health Professionals

Epidemiology
available start term(s): September
application deadline: September

Designed to serve two audiences—masters and doctoral degree students at The Johns Hopkins University and junior and mid-level public health professionals.

The certificate will focus on key areas as defined by the Council on Public Health/ Council of State and Territorial Epidemiologists and the American Schools and Programs of Public Health: health situation analysis and assessment, public health/epidemiologic surveillance; and health promotion.

The program is generally offered during the Graduate Summer Institute in Epidemiology and Biostatistics. Students can also complete the Certificate in-class during the regular academic year.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/environmental-healthعلوم/health-professionals

The Food System, Environment and Public Health

Environmental Health Sciences
available start term(s): July, September, November, January and March
application deadline: rolling

Upon completion of the Food System, Environment and Public Health Certificate, individuals will have gained specialized knowledge and understanding of the relevance of the food system to many different competencies in public health. While the required coursework of the certificate emphasizes the fundamental relationships among the food system, the environment, and public health, the nature of food system studies necessitates the inclusion of perspectives offered in such areas as nutrition, behavior and policy.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/food-system.html

Global Health

International Health
available start term(s): July, September, November, January and March
special consideration: may be completed online
application deadline: rolling

The Global Health Certificate teaches design and implementation of public health programs, and social, behavioral and management skills applied to underserved populations. It is designed for public health professionals who are practicing or planning to practice in developing countries and to degree seeking JHSPH students. Nondegree students may earn the certificate for-credit or not-for-credit.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/global-health.html

Global Tobacco Control

Health, Behavior and Society
available start term(s): July, September, November, January and March
application deadline: rolling

Intended students for this certificate are public health professionals who want specialized skills and knowledge to work in the area of global tobacco control practice and research. Tobacco use is the number one preventable cause of death in the world, and it is projected to kill one billion people in the 21st century unless effective tobacco control measures are implemented. In order to slow and ultimately end the global burden of tobacco-related death and disease, public health professionals, tobacco control professionals and research scientists need to be equipped with the technical skills necessary to advance global tobacco control efforts.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/global-tobacco-control.html

Health Finance and Management

Health Policy and Management
available start term(s): September, January
application deadline: June 13 (for Sept), Oct 17 (for Jan)

The Certificate in Health Finance and Management is designed to facilitate the development of skills and knowledge that are needed in today’s rapidly changing health care delivery environment. Students are provided with a basic grounding in the key areas of managing health services organizations, budgeting and financial management and leadership. Students then have an opportunity to focus in other key areas of interest as applicable to their current work situation or future career interests.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/health-finance-and-management.html

Healthcare Epidemiology and Infection Prevention and Control

Epidemiology
available start term(s): September
application deadline: rolling

Designed to serve two audiences—masters and doctoral degree students and post-doctoral trainees at The Johns Hopkins University and junior and mid-level healthcare epidemiologists and infection control professionals aiming to prevent and control healthcare-associated infections and other adverse outcomes in the healthcare setting. The certificate will focus on epidemiologic and laboratory investigation, infection surveillance, policy development and implementation, education and information dissemination, implementation of interventions to prevent infections, cost-benefit analyses of interventions, and patient-oriented research to inform and improve the science of healthcare epidemiology and infection control and to improve quality of care.

For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/healthcare-epidemiology-and-infection-prevention-and-control.html
Humane Sciences and Toxicology Policy Certificate
Environmental Health Sciences
available start term(s): July, September, November, and January
application deadline: rolling
This certificate program provides students with an understanding of the principles that govern the relationship between biomedical researchers and laboratory animals, demonstrates the application of transgenic, in vitro, computational, non-mammalian and non-animal research in toxicology; and illustrates the ways in which humane science and alternatives are used in setting regulatory standards and making environmental health policy decisions. Students will be introduced to the application of the “3Rs,” (reduction, replacement and refinement), which are the guiding principles of humane science as well as how the use of humane science principles in biomedical research can lead to more robust scientific methodology and knowledge.


Mental Health Policy, Economics and Services
Mental Health
available start term(s): September
application deadline: rolling
The goal of the certificate is to prepare students for a range of policy, advocacy and research careers within the field of mental health. The program introduces students to current issues in mental health policy including economic evaluation of mental and substance disorders and their treatments; access to mental health care treatments and utilization patterns; and mental health care financing, insurance, and delivery system issues in the U.S. The program orients mental health policy, economics, and services training within the broader context of ongoing national health care debates.

For more information on this certificate: [www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/mental-health-policy-economics-and-services.html](http://www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/mental-health-policy-economics-and-services.html)

Pharmacoepidemiology and Drug Safety
Epidemiology
available start term(s): September
special consideration: [may be completed online](http://www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/pharmacoepidemiology-and-drug-safety-certificate.html)
application deadline: September
Designed to serve two audiences—masters and doctoral degree students and post-doctoral trainees at The Johns Hopkins University and junior and mid-level pharmaco-epidemiologists and drug safety professionals.
The certificate will focus on core knowledge of pharmaco-epidemiology and drug safety as well as insights from these fields that can inform the work of policy makers, patients, clinicians and payers seeking to improve the quality and safety of medication use.


Population and Health
Population, Family and Reproductive Health
available start term(s): July, September, November, January and March
application deadline: rolling
The certificate is designed to serve two audiences—master’s or doctoral degree students at The Johns Hopkins University and junior and mid-level professionals—desiring to expand their knowledge of population dynamics and its linkages with public health issues and their ability to relate population-level concepts and measures of fertility, morbidity and mortality, and migration to epidemiologic risks. A population’s health is shaped by fertility, mortality and migration patterns; and population numbers themselves provide the denominators of basic measures of public health, such as life expectancy, cause-specific mortality rates and infection rates.

For more information on this certificate: [www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/population-and-health.html](http://www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/population-and-health.html)

Public Health Economics
Health Policy and Management/International Health/
Population, Family and Reproductive Health
available start term(s): July, September, November, January and March
application deadline: rolling
The Certificate in Public Health Economics will interest public health professionals who are just beginning their career as well as mid-career professionals. Participants in this certificate program will gain a broad exposure to general public health economic principles and theories, skills in identifying and applying the theories of economic evaluation to public health problems, and training in the communication and translation of economic principles to public health problems. Applicants apply through the Department of Population, Family and Reproductive Health.

For more information on this certificate: [www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/public-health-economics.html](http://www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/public-health-economics.html)
Public Health Informatics
Health Policy and Management
available start term(s): September
special consideration: may be completed online
application deadline: June 13

Individuals who complete the Certificate in Public Health Informatics will gain a significant degree of competency in the area of health informatics within the public health context. It will allow them to perform management, policy and research functions with a higher degree of effectiveness within the increasingly digital environment. This certificate will help equip students to move into leadership positions in the public health/population health informatics field within the U.S. and other nations.

▷ For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/public-health-informatics.html

Public Health Training Certificate for American Indian Health Professionals
International Health
available start term(s): July, January
special application requirement: two years of experience
application deadline: rolling

The overarching purpose of this public health certificate program is to promote participants’ capacity to address American Indian population health disparities through multidisciplinary public health approaches and culturally competent strategies. The certificate program examines four quadrants of influence: physical, behavioral, political and spiritual/emotional, which, in balance, comprise the sphere of public health for American Indian communities.

▷ For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/public-health-training-certificate-for-american-indian-health-professionals.html

Public Mental Health Research
Mental Health
available start term(s): July, September, November, January and March
application deadline: rolling

This program provides graduate training in understanding the causes and consequences of mental disorders in populations. Courses describe clinical and behavioral features, the incidence and prevalence of disorders, and biological, genetic, social, neurological, developmental and psychological risk and protective factors that promote or influence the occurrence, persistence, or severity of mental and behavioral disorders. Effective research strategies in public mental health include operationalization of case definitions, measurement in populations, design of prevention strategies and analytical techniques that are particularly useful in research in public mental health.

▷ For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/public-mental-health-research.html

Quality, Patient Safety and Outcomes Research
Health Policy and Management
available start term(s): September and January
special consideration: may be completed online
application deadline: June 13 (for Sept), Oct 17 (for Jan)

Individuals who complete the certificate will meet competencies in the core areas of quality, patient safety, and outcomes research. The certificate is intended to convey familiarity with the specified areas, rather than training in conducting research. Within the area of quality, individuals will explore frameworks and theories for assessing and improving the quality of medical care, current policy and programmatic areas in quality of care, and understand how to develop a workable quality improvement and evaluation plan. In the area of safety, individuals will recognize the extent of problems in patient safety in medical care, demonstrate knowledge of the basics of conducting an incident investigation and disclosing an adverse event and designing solutions to improve patient safety. In the area of Patient Outcomes Research, the importance and challenges of using patient and consumer reported measures in research, clinical practice and program evaluation will be explored in addition to the policy implications and study designs and methodologies that are unique to patient outcomes research.

▷ For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/quality-patient-safety-and-outcomes-research.html

Risk Sciences and Public Policy
Environmental Health Sciences/Epidemiology/Health Policy and Management
available start term(s): September, January
application deadline: June 13 (for Sept), Oct 17 (for Jan)

The educational objective of this certificate program is to provide the student with an understanding of risk assessment methods and their application to public health risk policy and risk communication. The certificate program covers the scientific basis for assessing environmental and other public health risks, as well as providing the skills needed to evaluate the policy implications of these scientific relationships for reducing public health risks. Applicants apply through the Department of Health Policy and Management.

▷ For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-for-hopkins-and-non-degree-students/risk-sciences-and-public-policy.html

Tropical Medicine
International Health/Molecular Microbiology and Immunology
available start term(s): July, January
special application requirements: graduate degree in health science or bachelor’s degree with significant experience
application deadline: rolling

This four-week summer program is designed to provide training in tropical medicine and related public health issues through a multidisciplinary approach. It is also designed to prepare participants for working with current...
and emerging health problems in developing countries and health problems of travelers. This program focuses broadly on issues of tropical health and on clinical tropical medicine. Toward the program’s conclusion, students will have acquired a strong scientific basis for preventing, diagnosis, treating and controlling tropical health problems.

▶ For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-tropical-medicine.html

CERTIFICATE PROGRAMS FOR NONDEGREE STUDENTS ONLY

Training Certificate in Public Health
Office of Continuing Education
available start term(s): June, September, November, January and March
special application requirements: successful completion of
> one biology course
> one math or statistics course
special consideration: may be completed online
application deadline: rolling

Upon completion of the training certificate the individual will be able to: use appropriate statistical methods for critical reading of reports of statistical analysis of public health problems; apply the basic concepts of epidemiology to the study of the patterns of disease and injury applied to public health; determine the role of environmental factors affecting the health of a population; identify the managerial and policy issues associated with the delivery, quality and costs of health care; identify the social, behavioral and cultural factors related to population health.

▶ For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-training-certificate-in-public-health-practice.html

Training Certificate in Quantitative Methods in Public Health
Office of Continuing Education
available start term(s): June, September, November, January and March
special application requirements: successful completion of
> one biology course
> one math or statistics course
application deadline: rolling

The certificate recipient will be able to: identify, analyze and use available disease and behavioral surveillance data; apply leadership in the management of health systems organizations; communicate effectively to constituencies both within and outside of the health system; determine public health information needs; use appropriate basic statistical, demographic, and epidemiologic techniques to evaluate data with attention to quality control issues; support state and local public health agency efforts in assessing health needs, quality of services, and strategies for health services research; identify and help fill needs for information and responses to new threats to public health.

▶ For more information on this certificate: www.jhsph.edu/academics/certificate-programs/certificates-training-certificate-in-quantitative-methods-in-public-health.html
INSTITUTES
Various departments within the Bloomberg School sponsor short-term, intense educational courses called Institutes. These institutes are available to degree and non-degree students. They provide opportunities for public health practitioners and other professionals whose schedules demand a flexible, nontraditional approach to learning. They also serve as a convenient method for students to further their education in a variety of public health disciplines or to receive an introduction to a new field of study.

Institutes are held in the summer in Baltimore. The two-week Winter Institute is held in January with courses available in Baltimore and Washington, D.C. The Fall Institute is offered by the Department of Health Policy and Management in Barcelona, Spain.

> Additional information regarding Summer, Fall and Winter Institutes may be found at www.jhsph.edu/academics/continuing-education/institutes

POSTDOCTORAL TRAINING PROGRAMS
The Bloomberg School provides opportunities for postdoctoral training in all departments. Individuals interested in postdoctoral training should first establish contact with a member of the faculty with whom they wish to work. Once a position has been identified, a formal application including official documentation of completed doctoral degree and other documents specified by your department are required. These materials must be received before you may start your position. The research interests of the School’s faculty can be found on the School’s website.

> For more detailed information about postdoctoral training at the School visit www.jhsph.edu/academics/postdoctoral-training

ONLINE LEARNING
The Bloomberg School has an ever-growing catalog of online courses, certificates and degrees.

> For more information regarding online learning opportunities, visit www.jhsph.edu/academics/online-learning-and-courses

> For more information regarding online certificates, flip to page 50 or visit www.jhsph.edu/academics/certificate-programs

> For more information regarding online degree options, see pages 9, 15, and 41 of this book

In addition to the above, the Bloomberg School has three initiatives providing public health information online for free.

> OpenCourseWare (OCW) Online library of materials used in the teaching of actual JHSPH courses http://ocw.jhsph.edu


> Coursera Massive Open Online Courses (MOOCS), high-quality online university courses www.coursera.org/jhu

RESEARCH CENTERS AND INSTITUTES
Since the Bloomberg School was founded, its graduate programs have been based on a cardinal principle of the inseparability of research, practice, service and education. Faculty are engaged in investigations that cover a wide variety of disciplines and interests. In addition, there are many education, practice and research centers that operate as departmental and interdepartmental bases for a wide range of activities related to public health. The Bloomberg School currently supports over 60 centers and institutes.

> For a complete list of Centers and Institutes visit www.jhsph.edu/research/centers-and-institutes/directory/list
How to Apply

Are you ready to apply?

The Bloomberg School uses TWO separate application systems:
› MPH applicants apply through SOPHAS
› All other degree applicants apply using the Bloomberg School application.

Please take your time, review our application tips and make sure you’re choosing the correct program and its corresponding application. Selection of the wrong program/application could potentially slow or stop the processing of your application.

➤ Not sure which application to use?
Visit www.jhsph.edu/admissions/how-to-apply or contact Admissions Services at jhsph.admiss@jhu.edu

Applying to the MPH
Applications to Schoolwide MPH are processed through the Schools of Public Health Application Service (SOPHAS). This includes applications to the full-time MPH, online/part-time MPH, MPH/MBA, and MPH portions of the MPH/MSW, MPH/ JD and MPH/MD.

➤ For more information on MPH application requirements, the SOPHAS application and where to submit supporting materials, visit www.jhsph.edu/admissions/how-to-apply/mph-application-instructions

Applying to All Other Bloomberg School Public Health Degrees
All other Bloomberg School applications (those for the MHA, MHS, MPP, MSPH, ScM, PhD, DrPH, ScD, certificates and Residencies—including the dual Residency/MPH) will continue to be processed through Admissions Services.

➤ For detailed instructions on how to apply using the Bloomberg School application, including a link to the online application, visit www.jhsph.edu/admissions
APPLICATION DEADLINES
The Bloomberg School has over a dozen different application deadlines. Be sure to carefully review the deadline chart, locate your program and its respective deadline.

All application materials must arrive by the application deadline.

➢ To find the application deadline for your program, flip to page 62

APPLICATION REQUIREMENTS
Application requirements may also vary. In general, all degree program applicants submit:

➢ online application
  - MPH applicants through SOPHAS
  - All others through the Bloomberg School application
➢ official transcripts from ALL college-level educational institutions attended. (records from outside the U.S. must undergo a credentials evaluation)
➢ standardized test score (usually GRE)
➢ résumé or curriculum vitae
➢ personal statement
➢ three letters of recommendation
➢ TOEFL/IELTS scores (for international applicants from countries/education programs where English is not the official language)

➢ To learn the application requirements specific to your program, flip to page 61

The time it takes for materials such as transcripts and test scores to arrive may be longer than you think.

Apply early!

Transcripts
Regardless of the number of credits taken or whether the credits/grades appear on another transcript, the School requires official academic records, transcripts or mark sheets from all colleges, universities, graduate or professional schools attended.

➢ To learn more about this requirement, see www.jhsph.edu/admissions/application-requirements/transcripts.html

International Academic Records
If you’re an international student or a U.S. student who has studied internationally, your international academic records must be evaluated by an external, U.S.-based credentials evaluation agency.

➢ For additional guidance, including what evaluations are acceptable, visit www.jhsph.edu/admissions/international-students

Standardized Test Scores
A standardized test score is required of most degree applicants. The GRE is the most universally accepted, however, some programs will accept alternatives. Results of these exams are often used as an indicator for scholarship consideration.

Plan to take your exam far in advance of the application deadline. Despite the

Application Tips

1. Do your research.
The Bloomberg School offers many programs across the spectrum of public health. Read this book, review our website and/or contact the appropriate academic coordinator to learn which program best fits your interests and future goals.

2. Know your program.
With so many programs and similar abbreviations, it’s easy to get confused. But now more than ever, it’s imperative you know the name of the program you’re applying to—one of our programs now uses a different application system!

3. Know your program’s deadline.
Application deadlines vary by department, degree and sometimes degree track.

➢ See our chart of application deadlines on page 62 or at www.jhsph.edu/admissions/application-deadlines

4. Know your program’s requirements.
Application requirements vary by department, degree and sometimes degree track.

➢ See the application requirements chart on page 61 or visit www.jhsph.edu/admissions/application-requirements

5. Apply Online
No matter which program you’re applying to or which application you’re using, applications to the Bloomberg School are submitted online.

Allow yourself plenty of time. Transcripts and test scores take time to order and arrive.

Many of our departments do not conduct face-to-face interviews. Take time to ensure your application is an accurate representation of you, your abilities and your goals.

Application Deadlines
The Bloomberg School has over a dozen different application deadlines. Be sure to carefully review the deadline chart, locate your program and its respective deadline.

All application materials must arrive by the application deadline.

➢ To find the application deadline for your program, flip to page 62

Application Requirements
Application requirements may also vary. In general, all degree program applicants submit:

➢ online application
  - MPH applicants through SOPHAS
  - All others through the Bloomberg School application
➢ official transcripts from ALL college-level educational institutions attended. (records from outside the U.S. must undergo a credentials evaluation)
➢ standardized test score (usually GRE)
➢ résumé or curriculum vitae
➢ personal statement
➢ three letters of recommendation
➢ TOEFL/IELTS scores (for international applicants from countries/education programs where English is not the official language)

➢ To learn the application requirements specific to your program, flip to page 61

The time it takes for materials such as transcripts and test scores to arrive may be longer than you think.

Apply early!

Transcripts
Regardless of the number of credits taken or whether the credits/grades appear on another transcript, the School requires official academic records, transcripts or mark sheets from all colleges, universities, graduate or professional schools attended.

➢ To learn more about this requirement, see www.jhsph.edu/admissions/application-requirements/transcripts.html

International Academic Records
If you’re an international student or a U.S. student who has studied internationally, your international academic records must be evaluated by an external, U.S.-based credentials evaluation agency.

➢ For additional guidance, including what evaluations are acceptable, visit www.jhsph.edu/admissions/international-students

Standardized Test Scores
A standardized test score is required of most degree applicants. The GRE is the most universally accepted, however, some programs will accept alternatives. Results of these exams are often used as an indicator for scholarship consideration.

Plan to take your exam far in advance of the application deadline. Despite the

Application Tips

1. Do your research.
The Bloomberg School offers many programs across the spectrum of public health. Read this book, review our website and/or contact the appropriate academic coordinator to learn which program best fits your interests and future goals.

2. Know your program.
With so many programs and similar abbreviations, it’s easy to get confused. But now more than ever, it’s imperative you know the name of the program you’re applying to—one of our programs now uses a different application system!

3. Know your program’s deadline.
Application deadlines vary by department, degree and sometimes degree track.

➢ See our chart of application deadlines on page 62 or at www.jhsph.edu/admissions/application-deadlines

4. Know your program’s requirements.
Application requirements vary by department, degree and sometimes degree track.

➢ See the application requirements chart on page 61 or visit www.jhsph.edu/admissions/application-requirements

5. Apply Online
No matter which program you’re applying to or which application you’re using, applications to the Bloomberg School are submitted online.

Allow yourself plenty of time. Transcripts and test scores take time to order and arrive.

Many of our departments do not conduct face-to-face interviews. Take time to ensure your application is an accurate representation of you, your abilities and your goals.
automated nature of many of these tests, results can take up to five weeks to reach their destination.

For more information on standardized test scores, visit www.jhsph.edu/admissions/application-requirements/standardized-test-scores

Personal Statement
The personal statement is one of the most important components of your application. Many of our departments do not incorporate any type of interview in their decision-making process, so your personal statement is a chance to tell YOUR unique story.

Stay focused and keep your statement to less than three pages.

Letters of Recommendation
Degree applicants are required to submit three letters of recommendation. These letters should come from supervisors who know your work or from faculty who know your academic abilities. If possible, a mix of the two is best.

English Proficiency Exams
The Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) is required of all applicants for whom English is not their first language and who are applying from countries where English is not the language of instruction.

Further guidance, including minimum scores and which countries of origin are considered non-English speaking, may be found at www.jhsph.edu/admissions/international-students

MULTIPLE APPLICATIONS
We encourage you to have a clear focus regarding which program is best for you, but you are able to apply to more than one.

Applying to Multiple Programs (neither of which is the MPH)
To apply to multiple departmental programs, you must create separate Bloomberg School applications and pay separate application fees for each. If neither program is the MPH, you do not need to submit duplicate copies of supporting materials (e.g., transcripts, standardized test scores or letters of recommendation). However, you should submit separate personal statements explaining your varying interests.

Please answer “Yes” to the application question that reads, “Have you applied to JHSPH previously?” and enter the appropriate academic year.

Applying to Multiple Programs (MPH, plus a departmental program)
In this scenario, you would need to submit two separate applications as well as two sets of application materials: one application plus supporting materials to SOPHAS for the MPH application and one application plus supporting materials to the Bloomberg School for the departmental program.

MONITORING YOUR APPLICATION
Regardless of which application you use, once you submit your application, you may monitor its status by logging back into your online application account.

It does take time to process the thousands of applications we receive. A change in status will not be instantaneous and your patience is appreciated.

If you have questions at any stage in the application process, please feel free to contact us.

ADMISSIONS DECISIONS
When your application is submitted and all required materials are received and processed, your application will be marked complete and sent to the appropriate admissions review committee. The time it takes for a decision to be made on your application depends on your department and program. Once a decision has been reached, you will be notified by the department.

APPLYING TO NON-DEGREE PROGRAMS

Applying to a Certificate
The application process for certificates varies depending on your student status.

Find detailed certificate application instructions at www.jhsph.edu/academics/certificate-programs/how-to-apply

Applying as a “Special Student Limited”
A Special Student Limited is a type of non-degree seeking student interested in taking courses for academic credit. The Bloomberg School allows students to take up to 16 units of credit as a Special Student Limited.

For additional information on the non-degree application, visit www.jhsph.edu/offices-and-services/student-accounts-and-business-services/non-degree-application

Questions for admissions?
Visit our website: www.jhsph.edu/admissions
See our FAQ: www.jhsph.edu/admissions/how-to-apply/FAQs
Subscribe to our blog: www.jhsph.edu/admissions/admissions-blog
Or contact us!
› 410-955-3543 (Monday–Friday)
› jhsph.admiss@jhu.edu
Degree Application Requirements

Application requirements vary by department and degree. Use the chart below to identify which materials are required by your program of interest. Non-degree, certificate and postdoctoral applicants should visit Admissions Services at [www.jhsph.edu/admissions](http://www.jhsph.edu/admissions) for more information.

<table>
<thead>
<tr>
<th>Degree Application Requirements</th>
<th>PERSONAL STATEMENT</th>
<th>RESUMÉ</th>
<th>TEST SCORE</th>
<th>ENGLISH LANGUAGE TEST*</th>
<th>ALL COLLEGE-LEVEL TRANSCRIPTS†</th>
<th>LETTERS OF RECOMMENDATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Biochemistry and Molecular Biology</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s</td>
<td>required</td>
<td>required</td>
<td>GRE or MCAT</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td>Doctoral</td>
<td>required</td>
<td>required</td>
<td>GRE</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td><strong>Biostatistics</strong></td>
<td>required</td>
<td>required</td>
<td>GRE</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td>Master’s and Doctoral</td>
<td>required</td>
<td>required</td>
<td>GRE</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td><strong>Environmental Health Sciences</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s and Doctoral</td>
<td>required</td>
<td>required</td>
<td>GRE or MCAT</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td>BA/MHS or BA/MSPH</td>
<td>required</td>
<td>required</td>
<td>not required</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td><strong>Epidemiology</strong></td>
<td>required</td>
<td>required</td>
<td>GRE or MCAT</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td>BA/MHS</td>
<td>required</td>
<td>required</td>
<td>not required</td>
<td>not required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td><strong>Graduate Training Program in Clinical Investigation</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s</td>
<td>required</td>
<td>required</td>
<td>USMLE and GRE or MCAT</td>
<td>required</td>
<td>required</td>
<td>two required</td>
</tr>
<tr>
<td>Doctoral</td>
<td>required</td>
<td>required</td>
<td>USMLE and GRE or MCAT</td>
<td>required</td>
<td>required</td>
<td>two required (one must show funding)</td>
</tr>
<tr>
<td><strong>Health, Behavior and Society</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s and Doctoral</td>
<td>required</td>
<td>required</td>
<td>GRE</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td><strong>Health Policy and Management</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s—MHA</td>
<td>required</td>
<td>required</td>
<td>GRE or GMAT</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td>Master’s—MHS, MSPH and MPP</td>
<td>required</td>
<td>required</td>
<td>GRE</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td>Doctoral—DPhD</td>
<td>required</td>
<td>required</td>
<td>GRE or GMAT</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td>Doctoral—PhD</td>
<td>required</td>
<td>required</td>
<td>GRE</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td>BA/MSPH</td>
<td>required</td>
<td>required</td>
<td>not required</td>
<td>not required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td><strong>International Health</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s—MSPH</td>
<td>required</td>
<td>required</td>
<td>GRE or MCAT</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td>Master’s—MHS in Health Economics</td>
<td>required</td>
<td>required</td>
<td>GRE</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td>Doctoral</td>
<td>required</td>
<td>required</td>
<td>GRE</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td><strong>Mental Health</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s and Doctoral</td>
<td>required</td>
<td>required</td>
<td>GRE or MCAT</td>
<td>required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td>BA/MHS</td>
<td>required</td>
<td>required</td>
<td>not required</td>
<td>not required</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td><strong>Molecular Microbiology and Immunology</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s</td>
<td>required</td>
<td>required</td>
<td>GRE or MCAT</td>
<td>yes</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td>Doctoral</td>
<td>required</td>
<td>required</td>
<td>GRE</td>
<td>yes</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td><strong>Population, Family and Reproductive Health</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s and Doctoral</td>
<td>required</td>
<td>required</td>
<td>GRE (MCAT or LSAT with approval only)</td>
<td>yes</td>
<td>required</td>
<td>three required</td>
</tr>
<tr>
<td><strong>Residency Programs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MPH Programs Applying Through SOPHAS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>See page 44 for additional experience and coursework requirements specific to MPH applicants.</td>
<td>required</td>
<td>required</td>
<td>GRE, MCAT, LSAT or GMAT</td>
<td>yes</td>
<td>required</td>
<td>three required</td>
</tr>
</tbody>
</table>

*The Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) is required of all applicants for whom English is not their first language and who are applying from countries where English is not the language of instruction. Additional guidance may be found [www.jhsph.edu/admissions/international-students/](http://www.jhsph.edu/admissions/international-students/)

†Applicants with international academic records should carefully review our credentials evaluation requirements at [www.jhsph.edu/admissions/international-students/](http://www.jhsph.edu/admissions/international-students/)
<table>
<thead>
<tr>
<th>Program</th>
<th>Oct 31</th>
<th>Dec 1</th>
<th>Dec 15</th>
<th>Jan 2</th>
<th>Jan 15</th>
<th>Feb 1</th>
<th>Feb 15</th>
<th>Mar 1</th>
<th>Apr 1</th>
<th>May 1</th>
<th>Jun 1</th>
<th>Jul 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Biochemistry and Molecular Biology</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctoral programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Biosciences</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctoral programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Environmental Health Sciences</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctoral programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BA/MHS or MSPH (between jr &amp; sr yr of college)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Epidemiology</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctoral programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BA/MHS (between jr &amp; sr yr of college)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Graduate Training Program in Clinical Investigation (GTPCI)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Health, Behavior and Society</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctoral programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MSPH in Health Ed. and Health Communication</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ScM in Genetic Counseling</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MHS in Social Factors in Health</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Health Policy and Management</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctoral programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MSPH, MHA and MPP</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MHS in Health Economics</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BA/MSPH (between jr &amp; sr year of college)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>International Health</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctoral Programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MSPH (priority and Registered Dietician track)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MSPH (final deadline)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MHS in Health Economics</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mental Health</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctoral programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BA/MHS (between jr &amp; sr yr of college)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Molecular Microbiology and Immunology</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctoral programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ScM programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MHS program (international applicants)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MHS program (domestic applicants)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Population, Family and Reproductive Health</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctoral Programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master’s Programs</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Residency Programs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Occupational and Environmental Medicine</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Preventive Medicine</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MPH Programs Applying Through SOPHAS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full-time (late June/early July start)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Online/Part-time (June start)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Online/Part-time (Jan start)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Online/Part-time (Nov, Barcelona start)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Online/Part-time (Dec 1)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# 2014–2015 Academic Calendar

**Summer Institutes**
- Registration Begins for Summer Institute Terms: M June 2
- Registration Ends for Summer Institute Terms: F Aug 22
- New MPH Student Orientation/Registration: M June 30–T July 1
- Instruction Begins for Summer Term: W July 2
- Independence Day Holiday Recess: F July 4
- Last Day to Make Schedule Changes for Summer Term: W July 2–T July 15
- Add/Drop Period for Summer Term (for full-term courses only): W July 2–T July 15
- Last Day to Make Schedule Changes for Summer Term: F Aug 8
- Last Class Day of Summer Term: F Aug 22

**1st Term (39 class days)**
- Registration Begins for 1st Term for Continuing & Special Students: M June 2
- 1st Term Registration Ends for Continuing & Special Students: F Aug 15
- New Student Orientation/Registration: W Aug 27–F Aug 29
- Instruction Begins For 1st Term: T Sep 2
- Add/Drop Period: M Sep 1–F Sep 12
- Labor Day Recess: M Sep 1
- Last Day to Make Schedule Changes For 1st Term: M Sep 29
- Last Class Day of 1st Term: F Oct 10

**2nd Term (38 class days)**
- Registration Begins for 2nd Term: M Oct 27
- 2nd Term Registration Ends: F Dec 5
- Instruction Begins For 2nd Term: M Oct 27
- Add/Drop Period: M Oct 27–F Nov 7
- Thanksgiving Recess: Th Nov 27–Su Nov 30
- Last Day to Make Schedule Changes For 2nd Term: F Nov 27
- Last Class Day of 2nd Term: F Dec 19

**Winter Intersession**
- Registration Begins for Winter Intersession: M Jan 5
- Winter Intersession Registration Ends: Th Oct 9
- Add/Drop Period for Winter Intersession: F Dec 5
- Online/Part-Time MPH New Student Orientation: Varies Per Course

**3rd Term (39 class days)**
- Registration Begins for 3rd Term: T Jan 20
- 3rd Term Registration Ends: W Nov 19
- Martin Luther King, Jr. Holiday Recess: M Jan 19
- Instruction Begins for 3rd Term: T Jan 20
- Add/Drop Period: M Jan 19–F Mar 2
- Last Day to Make Schedule Changes for 3rd Term: F Feb 27
- Last Class Day of 3rd Term: F Mar 13

**4th Term (40 class days)**
- Registration Begins for 4th Term: M Mar 23
- 4th Term Registration Ends: F May 15
- Spring Recess: M Mar 16–F Mar 20
- Instruction Begins for 4th Term: M Mar 23
- Add/Drop Period: M Mar 23–F Apr 3
- Last Day to Make Schedule Changes for 4th Term: F May 1
- Last Class Day of 4th Term: F May 15
- Public Health Convocation: T May 19
- University Commencement: Th May 21
- Residency Program Ends: T June 30
You’ve identified the academic program of your dreams. You submitted a complete and focused application. You’ve been admitted. What do you do about funding?

These next two pages should provide you with some ideas and resources.

First, understand that “funding” can mean several things. Money for educational expenses can come from several sources. There are scholarships, grants and loans (government and private).

Different offices within the Bloomberg School administer these varied resources.

**Funding**

**SCHOLARSHIPS**

Bloomberg School Scholarships are almost always awarded through the academic departments. The availability of such funds varies by degree, department and academic year.

*Your application for admission also serves as your application for departmental funding.*

If you want to learn more about scholarship availability specific to your interests, you should contact the appropriate academic coordinator.

Some examples of Bloomberg School scholarships are below.

**Sommer Scholars**

Named in honor of Alfred Sommer, Dean Emeritus of the Johns Hopkins Bloomberg School of Public Health, the Hopkins Sommer Scholars Program aims to develop the next generation of public health leaders. Ten Master of Public Health candidates are awarded scholarships each year. Students are selected for their superior academic abilities and leadership potential.

**Brown Scholars**

The C. Sylvia and Eddie C. Brown Community Health Scholarship is designed to train leaders who are committed to eliminating health disparities in Baltimore. Each year, scholarships are awarded to doctoral students who have an interest in improving the health and quality of life of underserved, vulnerable and low income populations.

**Johnson & Johnson Scholars**

The Johnson & Johnson Community Health Care Scholars Program provides funding for doctoral students to assist community health care organizations across the country in building capacity and improving access to quality health care for medically underserved populations.

**Global Health Scholars**

Offered by the Johns Hopkins Center for Global Health, the Global Health Scholarships program supports domestic and international students aspiring to work in an international context. These full-tuition scholarships are awarded to Master of Public Health or Master of Health Science students with extraordinary academic achievement and potential to contribute to the field of global health.

> For more information on these and other scholarships, visit www.jhsp.edu/admissions/scholarships/institutional-scholarships
FINANCIAL AID OFFICE
The Financial Aid Office provides assistance with federal and private loans and the Federal Work-Study Program. They provide extensive information on their website and friendly advice by email (jhsph.finaid@jhu.edu).

OUTSIDE FUNDING
While the School and its departments are able to provide funding for many of its students, unfortunately there are those we are unable to fund. We encourage these students to seek funding from appropriate external groups who help fund students through various means.

Tuition 2014-2015
The following tuition rates and fees are for the 2014-2015 academic year. This information is also available at www.jhsph.edu/admissions/ tuition-and-fees.

Doctoral, MHA, MHS, MPP, MSPH, ScM
full-time, 9-month academic year, 4 terms $47,328
full-time (12+ credits), per term $11,832
part-time $986 per credit

Master of Public Health
full-time, 11-month MPH academic year, 5 terms $59,160
full-time (12+ credits), per term $11,832
part-time $986 per credit

Postdoctoral Fellows
full-time, 9-month academic year, 4 terms $800
per term $200

Special Students/Others
full-time (12+ credits), per term $11,832
part-time $986 per credit

Estimated Living Expenses
Listed below are the estimated living costs for the 2014-2015 academic year. These costs were developed in compliance with the federal regulations used to determine a single student’s eligibility for federal student aid. The dollar amounts listed below are estimates only; actual costs may vary.

<table>
<thead>
<tr>
<th></th>
<th>9 Months</th>
<th>11 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room</td>
<td>$9,450</td>
<td>$11,550</td>
</tr>
<tr>
<td>Food</td>
<td>$4,050</td>
<td>$4,950</td>
</tr>
<tr>
<td>Transportation</td>
<td>$3,150</td>
<td>$3,850</td>
</tr>
<tr>
<td>Books and supplies</td>
<td>$1,600</td>
<td>$2,000</td>
</tr>
<tr>
<td>Insurance</td>
<td>$2,830</td>
<td>$3,396</td>
</tr>
<tr>
<td>Personal</td>
<td>$1,800</td>
<td>$2,200</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$22,880</strong></td>
<td><strong>$27,946</strong></td>
</tr>
</tbody>
</table>
Baltimore, Maryland is rich in history, culture and charm—providing an abundance of enriching opportunities in and out of the classroom.

HISTORY
The town of Baltimore was founded in 1729 and quickly became a major port exporting tobacco and other early American goods. From its beginning, the city played a major role in U.S. history. Baltimore was the site of a Continental Congress in 1776. In 1814, it became the birthplace of the national anthem. In 1827, a group of merchants founded the Baltimore & Ohio, the first common carrier railroad in the U.S. In 1873, the director and largest investor of that railroad died, leaving a legacy that established a university and hospital in his name: Johns Hopkins.

For more Baltimore history visit http://baltimore.org/about-baltimore

CULTURE
Art lovers rejoice! Baltimore has a vibrant and active arts community, which includes a number of world-class museums. Three that immediately come to mind are the Baltimore Museum of Art, Walters Art Museum and the American Visionary Art Museum.

For those who enjoy the theater, Broadway shows are presented at the France-Merrick Performing Arts Center/Hippodrome Theatre. Contemporary drama and traditional gems are produced by the professional resident company at Center Stage and at many other well-regarded local theaters.

Fine music is available from the Baltimore Symphony Orchestra, the Baltimore Chamber Orchestra, the Concert Artists of Baltimore and the Baltimore Choral Arts Society. Baltimore regularly attracts outstanding jazz, folk and rock artists, as well as ballet companies.

But if you’re looking for culture, you needn’t leave Johns Hopkins University. The university and medical institutions host a variety of art exhibits, performances, workshops, lectures and film series. Many of these cultural programs are open to the general public as well as to students, faculty and staff.

For more information on cultural events at Hopkins, visit:
- http://getintothearts.jhu.edu
- http://webapps.jhu.edu/jhuniverse/campus_life/arts_and_culture/
- http://web.jhu.edu/cultural_affairs

RECREATION
Baltimore is home to Major League Baseball’s Orioles and to the National Football League’s Super-Bowl-winning Ravens! Each team has its own state-of-the-art stadium in Camden Yards, just west of the Inner Harbor.

If the great outdoors calls you, there are approximately 6,000 acres of public parkland in the city. Parks include Druid Hill, Patterson and Cylburn Arboretums. The state of Maryland offers an additional 66 parks, all within a few minutes to a few hours drive of the city.

Welcome, hon!

Baltimore, Maryland is rich in history, culture and charm—providing an abundance of enriching opportunities in and out of the classroom.

Fine music is available from the Baltimore Symphony Orchestra, the Baltimore Chamber Orchestra, the Concert Artists of Baltimore and the Baltimore Choral Arts Society. Baltimore regularly attracts outstanding jazz, folk and rock artists, as well as ballet companies.

But if you’re looking for culture, you needn’t leave Johns Hopkins University. The university and medical institutions host a variety of art exhibits, performances, workshops, lectures and film series. Many of these cultural programs are open to the general public as well as to students, faculty and staff.

For more information on cultural events at Hopkins, visit:
- http://getintothearts.jhu.edu
- http://webapps.jhu.edu/jhuniverse/campus_life/arts_and_culture/
- http://web.jhu.edu/cultural_affairs

RECREATION
Baltimore is home to Major League Baseball’s Orioles and to the National Football League’s Super-Bowl-winning Ravens! Each team has its own state-of-the-art stadium in Camden Yards, just west of the Inner Harbor.

If the great outdoors calls you, there are approximately 6,000 acres of public parkland in the city. Parks include Druid Hill, Patterson and Cylburn Arboretums. The state of Maryland offers an additional 66 parks, all within a few minutes to a few hours drive of the city.

Welcome, hon!

Baltimore, Maryland is rich in history, culture and charm—providing an abundance of enriching opportunities in and out of the classroom.

Fine music is available from the Baltimore Symphony Orchestra, the Baltimore Chamber Orchestra, the Concert Artists of Baltimore and the Baltimore Choral Arts Society. Baltimore regularly attracts outstanding jazz, folk and rock artists, as well as ballet companies.

But if you’re looking for culture, you needn’t leave Johns Hopkins University. The university and medical institutions host a variety of art exhibits, performances, workshops, lectures and film series. Many of these cultural programs are open to the general public as well as to students, faculty and staff.

For more information on cultural events at Hopkins, visit:
- http://getintothearts.jhu.edu
- http://webapps.jhu.edu/jhuniverse/campus_life/arts_and_culture/
- http://web.jhu.edu/cultural_affairs

RECREATION
Baltimore is home to Major League Baseball’s Orioles and to the National Football League’s Super-Bowl-winning Ravens! Each team has its own state-of-the-art stadium in Camden Yards, just west of the Inner Harbor.

If the great outdoors calls you, there are approximately 6,000 acres of public parkland in the city. Parks include Druid Hill, Patterson and Cylburn Arboretums. The state of Maryland offers an additional 66 parks, all within a few minutes to a few hours drive of the city.
BALTIMORE NEIGHBORHOODS
Baltimore has over 225 neighborhoods, each with its own unique character and charm.

Johns Hopkins University calls several neighborhoods (and cities and countries) home, but is concentrated in two locations: Homewood and East Baltimore.

Homewood refers to the Johns Hopkins University’s undergraduate and graduate campus for the Zanvyl Krieger School of Arts and Sciences, the Whiting School of Engineering and the School of Education. It’s a welcoming, peaceful place of green grass, wide-spreading trees and brick buildings. Bloomberg School students who live near or visit the Homewood campus can enjoy access to libraries, the performing arts, guest speakers and more. The neighborhood has a strong small business climate and an abundance of well-known cultural and educational resources, including the Baltimore Museum of Art.

East Baltimore is home to the Johns Hopkins Medical Institutions (JHMI). JHMI includes the Bloomberg School of Public Health, School of Medicine, School of Nursing and Johns Hopkins Hospital. The East Baltimore campus lies east of the Inner Harbor and is just minutes from many of Baltimore’s entertainment and cultural centers, including Patterson Park (largest park in downtown Baltimore), Fells Point, Canton, Inner Harbor and the Walters Art Museum.

Charles Village/Homewood/Hampden/Roland Park/Guilford/Canterbury/Tuscany—adjacent to Hopkins Homewood campus, north of the Inner Harbor, Charles Village the end point for JHMI shuttle

Mt. Vernon—area around Hopkins Peabody campus, on JHMI shuttle route, located just north of Inner Harbor, downtown feel, centered around Washington Monument

Butchers Hill/Canton/Fells Point—located along Baltimore’s waterfront to the south and west of the Medical Institutions, lots of pubs, shops and cobblestoned streets

Federal Hill/Locust Point—located along Baltimore’s waterfront south of the Inner Harbor

Rodgers Forge/Towson/Lutherville/Timonium—suburbs north of the city, near shopping and along the Light Rail

Columbia—suburb southwest of Baltimore in Howard County, midway between Baltimore and Washington, D.C.

For more information about Baltimore, including housing and transportation, visit the Student Life section of our website, www.jhsph.edu/student-life
Connect with JHSPH

Please continue to explore our academic community!

VISIT US ON THE WEB

The Bloomberg School website is rich with information and resources, especially for prospective students.
www.jhsph.edu

Admissions Blog
Take micro campus tours, get application tips and meet our staff through the Admissions Blog!
www.jhsph.edu/admissions/admissions-blog

Your Department or Program of Interest
Review detailed information about your specific department or program of interest, or compare programs.
www.jhsph.edu/departments

JHSPH Student Web Pages
Peruse a sample of current students, their degree programs and research interests. Contact them to ask any School-related questions you may have!
www.jhsph.edu/admissions/connect-with-current-students

JHSPH Faculty Pages
As recognized experts in fields ranging from AIDS to vitamin A, our faculty provides insight and information to news organizations, prospective and current students, and the community at large. Search the faculty directory by name, department or keyword.
www.jhsph.edu/faculty/directory/list

Interactive Map of Worldwide Research
Our faculty and students engage in a wide range of public health initiatives in more than 130 countries. The Global Projects Map provides a glimpse of where and what they’re doing.
www.jhsph.edu/faculty/research/map

Course Information
Find out what courses are currently being offered at the Bloomberg School.
www.jhsph.edu/courses

Follow Us Through Social Media
Use your favorite social media to follow news and events at the Bloomberg School.
› Facebook
  http://facebook.com/JohnsHopkinsSPH
› LinkedIn
  www.linkedin.com/company/3527
› RSS Feeds & Podcasts
  www.jhsph.edu/news/social-media-channels
› Twitter
  http://twitter.com/JohnsHopkinsSPH
› YouTube
  www.youtube.com/user/JohnsHopkinsSPH

Subscribe to the Magazine
Browse and subscribe to our award-winning magazine.
http://magazine.jhsph.edu

VISIT US IN PERSON

Consider this your official invitation!

Guided Tours
Sign up to talk with an admissions representative as you take a “walk” around our School.
www.jhsph.edu/admissions/visit/campus-tour

Fall Open House
Spend the day touring the School and meeting Bloomberg faculty and staff.
www.jhsph.edu/admissions/visit/open-house

Recruitment Calendar
Our recruiters travel far and wide. Meet them in your area!
www.jhsph.edu/admissions/meet-jhsph-in-your-area

University Calendar
Join the Bloomberg School for an upcoming lecture or special event.
http://calendar.jhu.edu/calendar

Admitted Student Visitors Days
These events allow Admitted Students to learn more about our unique School and ask specific questions. Admitted students will find event dates and a wealth of pertinent information on the Admitted Student Website (login and password required).
www.jhsph.edu/admissions/admitted_students/index.html
Helpful Contacts

Bloomberg School Student Affairs
Student Affairs Main Line
443-287-7277
www.jhsph.edu/offices-and-services/student-affairs

Admissions Services
410-955-3543
jhsph.admiss@jhu.edu
www.jhsph.edu/admissions

Career Services
410-955-3034
jhsph.careers@jhu.edu
www.jhsph.edu/offices-and-services/career-services

Disability Support Services
410-955-3034
jhsph.dss@jhu.edu
www.jhsph.edu/offices-and-services/student-affairs/disability-support-services

Financial Aid
410-955-3004
jhsph.finaid@jhu.edu
www.jhsph.edu/offices-and-services/student-affairs/financial-aid

Records and Registration
410-955-3552
jhsph.registra@jhu.edu
www.jhsph.edu/offices-and-services/student-affairs/records-and-registration

SOURCE
(Student Outreach Resource Center)
410-955-3880
source@jhu.edu
www.jhsph.edu/offices-and-services/source

Student Life
410-502-2487
jhsph.diverse@jhu.edu
www.jhsph.edu/offices-and-services/office-of-student-life

Additional Schoolwide Offices
Student Accounts and Business Services
410-955-5725
jhsph.bursar@jhu.edu

Johns Hopkins Medical Institutions
Housing Office
410-955-3905
www.hopkinsmedicine.org/som/students/life/housing

International Services
410-955-3371
http://ois.johnshopkins.edu

International Society
410-955-3370
internaionalsociety@jhmi.edu
http://ois.johnshopkins.edu/News_and_Events/The_International_Society/

Prospectus Team
So many people contribute to this publication, we would need another 70+ pages to name them all.
We hope they know how much their efforts are appreciated.
Our core team is as follows.

Managing Editor
Leslie Vink

Editor, Design & Production
Amy Galloway

Associate Editor
Taryn Mallonee

Photos:
Amy Galloway
Chris Hartlove
Kyle Sherman
Katherine Tomaino
Leslie Vink
Remsberg, Inc.
Environmental Impact

By printing on this combination of papers, the Bloomberg School was able to save:

- Trees: 39
- Total Energy: 32 million BTUs
- Greenhouse Gases: 3,962 lbs CO₂
- Wastewater: 17,958 gallons
- Solid Waste: 1,139 lbs

The interior of the JHSPH 2015-2016 Academic Prospectus was printed on FSC-certified Rolland Opaque 50% pcw. The cover was printed on FSC-certified Flo Gloss, 10% pcw. The paper was supplied by a SmartWay Transport Partner. Since 2004, SmartWay Partners have saved 50 million barrels of oil and 16.5 million metric tons of CO₂ and other emissions that contribute to climate change through a collaboration between the U.S. Environmental Protection Agency and the freight sector.

Environmental impact estimates were made using the Environmental Defense Fund calculator. For more information, visit http://papercalculator.org.