

Public Health Studies

Public Health combines a prevention orientation with a population perspective in pursuit of better health for all members of society. While physicians treat individual patients, public health professionals deal with big, urgent, and critically important issues such as access to health care, response to bioterrorism, or controlling outbreaks of epidemic disease.

The Public Health Studies Program offers undergraduates a major that links undergraduates to the world of public health through core courses taken on the Homewood campus, as well as electives taken in East Baltimore at the JHU Bloomberg School of Public Health. Students also select an emphasis in either natural sciences or social sciences to coordinate with their academic interests and future goals.

Core course work at Homewood includes Introduction to Epidemiology, Environment and Health, Introduction to Health Policy and Management, Biostatistics, as well as Calculus I, and two semesters each of English, biology, and a foreign language. Students choosing a natural science focus also take the core of science and math courses required for eligibility to medical school. Students emphasizing the social sciences will formulate their own coherent academic program that includes a minimum of eight upper-level courses from departments such as Anthropology, Economics, Political Science, Sociology or History of Science and Technology.

The Bloomberg School of Public Health of The Johns Hopkins University in Baltimore is the oldest and largest school of public health in the world. Although its primary function is to serve as a graduate school, seniors majoring in public health studies will take courses there to fulfill their B.A. degree requirements.

Courses are available throughout the year at the Bloomberg School of Public Health in the following areas: health education, environmental health sciences, epidemiology, health finance and management, health policy, human genetics, immunology and infectious diseases, international health, maternal and child health, mental hygiene, nutrition, occupational medicine/health protection and practice, population studies, toxicology, and tropical medicine.

An Honors option is available to Public Health Studies majors with a minimum GPA of 3.3 in core course requirements at the end of the junior year. Students will arrange to work in a research, independent study, or field practicum capacity under the supervision of a faculty member who is affil-

ated with JHU, and the guidance of the director of the Public Health Studies program. Students will register for 280.495 Honors in Public Health Seminar in the fall and 280.599 in the spring. Interested students should discuss their plans with the director of the Public Health Studies program before the start of the senior year.

The Public Health Studies office is located in the Greenhouse on the Homewood campus and may be consulted about the various courses, careers, and graduate programs in public health. Information can also be obtained by e-mailing phstudies@jhu.edu.

B.A./M.H.S.

Undergraduate students currently enrolled in the Johns Hopkins University Krieger School of Arts and Sciences program in Public Health have a unique opportunity to receive both bachelor's and master's degrees. The Johns Hopkins Bloomberg School of Public Health, Department of Environmental Health Sciences offers early graduate school admission to students enrolled in this undergraduate program. One-half of the School of Public Health course credits earned toward the B.A. also apply toward the M.H.S. In addition, students in this program will receive co-advising from both schools to optimize their academic experience.

Applications for the B.A./M.H.S degree are due by February 1 of the junior year. Applicants may apply during their senior year but credit requirements for the M.H.S will be the same as for other students entering the M.H.S. program. Please note that admitted students must complete the B.A. degree before formally enrolling in the Bloomberg School.

Program Directors

Kelly Gebo, Director.

James D. Goodyear, Associate Director.

Requirements for the B.A. Degree

All requirements must be taken as graded credits.

Required Courses at Homewood

AS 060.__/220.__	Two semesters of English	6
AS 110.106/108	Calculus I	4
AS 280.350	Intro to Epidemiology	3
EN 570.303	The Environment and Your Health	3
AS 280.340	Intro to Health Policy and Management	3
AS 280.345	Biostatistics in Public Health	4

Choose two semesters of Biology + one lab

AS 020.305/315 Biochemistry + lab	
AS 020.306/316 Cell Biology + lab	6
AS 020.151/161 General Biology I + lab	
AS 020.152/162 General Biology II + lab	

One year of elementary level or one semester intermediate level or a minimum Ach score of 450 in any modern foreign language.

Elective Concentration at Homewood choose A or B:**A. Natural Science Emphasis**

030.101 Introductory Chemistry + lab	4
030.102 Introductory Chemistry II + lab	4
171.101/103 General Physics I + lab	5
171.102/104 General Physics II + lab	5
110.107/109 Calculus II	4
030.205 Intro Organic Chemistry I	4
030.206 Intro Organic Chemistry II	4
030.225 Organic Chemistry Lab	3

Nine credits of 100- or 200-level social science courses. These must include two courses from the following departments: Anthropology, Economics, Sociology, or History of Science and Technology.

12 credits of 300- or higher of social science (S) credits.

B. Social Science Emphasis

15 credits of 100- or 200-level social science courses.

Eight 300-level courses, three from one department in group A; three from one department in group B; plus 2 electives from other social science departments; 24 credits minimum.

(a) Anthropology	(b) Economics
History	Geography
Psychology	History of Science
Sociology	Political Science

Requirements at BSPH

Twelve Homewood credits of courses taken at the Bloomberg School of Public Health. This is equivalent to 18 BSPH units. These courses may be taken in any department but exclude independent research/study. These courses may only be taken in the fourth year or upon completion of the required courses at Homewood.

Courses**280.111 (S) Fundamentals of Public Health**

The field of public health spans a broad range of disciplines and professions. The objectives of this course include familiarizing students with the U.S. public health model; providing a working knowledge of the tools and methods used in public health practice and research; increasing awareness of social and cultural factors embedded in current public health issues; and exposing students to the range of fields and occupations that fall within public health. Experts, primarily from the JHU Bloomberg School of Public Health, will serve as guest lecturers.
Alexander 3 credit intersession

280.156 (S) Invention of Tropical Disease

This course is an undergraduate seminar intended for freshmen and sophomores. It inquires into the origin of the idea of tropical disease as a legacy of European conquests and colonization in tropical latitudes, as well as a function of shifting paradigms within history of science.
Goodyear 3 credits

280.213 (S) Epidemiology of Violence: The Case of Latin America

An interpretation of post-Columbian Latin America from a public health perspective. Focusing on the role of violence-political, socio-economic, interpersonal – in the roots of underdevelopment.
Goodyear 3 credits

280.340 (S) Introduction to Health Policy and Management

This course will provide an overview of health policy in the United States with an emphasis on medical care policy and fundamentals of managing health services organizations. Through lectures and small-group discussions, students will develop a framework for analyzing health care policy problems and gain familiarity with current issues including managed care, Medicare, and the uninsured. Management implications will be explored, and students will learn current thinking regarding “best practices” in managing and improving health services organizations, including leadership development, strategic planning, resource management, process improvement, and monitoring performance indicators. Students will be evaluated on the basis of a midterm exam, final paper, and 2-3 short take-home assignments.
Steinwachs 3 credits spring

280.345 (S,Q) Biostatistics in Public Health

Using problem-based learning focusing on public health topics, students learn to describe and summarize data, make inferences regarding population parameters, and test hypotheses. Students use linear regression to describe continuous outcomes and logistic regression to predict proportions with a statistical analysis package, but prior computing experience is not required. Instruction is by lectures and laboratory sessions, with evaluation based on

examinations, problem sets, and projects. Prerequisite: 3 years of high school mathematics.

Staff 4 credits

Taught first in spring 2004, and thereafter in the fall

280.350 (S) Introduction to Epidemiology

This course introduces principles and methods of epidemiologic investigation of both infectious and noninfectious diseases. Some of the methods by which properly conducted studies of distribution and dynamic behavior of disease in the population can contribute to an understanding of etiologic factors, modes of transmission, and pathogenesis of disease are illustrated. Instruction is by lectures, laboratory problems, and seminar discussions. Required for public health option students.

Alberg 3 credits spring

280.375 (S) Cultural Factors in Public Health

LaVeist 3 credits

280.399 (S) Practicum in Community Health Care

Students will participate in community-based health services intervention programs, working with community leaders and health interventionists from the schools of Medicine and Public Health. Classroom presentation. Paper required.

Goodyear, Bone 3 credits

280.490 Honors in Public Health Seminar

Using lectures, group projects and writing assignments, this seminar is designed to assist Public Health Studies majors in writing a senior thesis. Students will formulate their topics, develop research skills, address issues of professional ethics, and begin drafts of their final projects. Participation in this seminar is required for students pursuing honors in PH Studies

280.498-499 Honors in Public Health Studies

Restricted to public health studies majors. Consult public health adviser for procedure. Prerequisite: 280.495

280.501-502 Internship in Public Health

Restricted to public health studies majors. Consult the public health studies adviser for procedure.

280.507-508 Independent Study in Public Health

Restricted to public health studies majors. Consult the public health adviser for procedure.

280.511-512 Research in Public Health

Restricted to public health studies majors. Consult the public health adviser for procedure.

A sample of public health-related courses offered regularly on the Homewood campus follows. Not all courses are offered every semester. Please refer to departmental listings for more complete information.

Anthropology

070.311 (H,S) Intro Medical Anthropology

Staff 3 credits

070.315 (H,S) Advanced Topics in Medical Anthropology

Das 3 credits

070.326 (H,S,W) Welfare, Carfare, What's Fair? An Anthropological Perspective on the Development of Social Services in America.

Northcott 3 credits

070.333 (H,S) Urban Worlds: Anthropology of the City

Carter 3 credits

Economics

180.353 (S) Poverty, Welfare, and Race

Turner 3 credits

180.280 (S) Population Economics

Slade 3 credits

180.289 (S) Economics of Health

Salkever 3 credits

Environmental Sciences

570.239 (E,N) Current/Emerging Environmental Issues

Roberts 3 credits

570.303 (E,N) The Environment and Your Health

Staff 3 credits

570.406 (H,S) Environmental History

Schoenberger 3 credits

570.498 (E) Engineering Aspects of Public Health Crisis

Roberts 3 credits

History of Science and Technology

140.106 (H,S) History of Medicine: 18th-20th Centuries

Fissell, Marks 3 credits

140.328 (H,S) Hospitals and Medicine

Bylebyl 3 credits

140.336 (H,S) Health, Risk and History

Mooney 3 credits

140.382 (H,S) Sickness and Health in Early Modern Europe

Fissell 3 credits

140.394 (H,S) History of Epidemiology

Marks 3 credits

140.396 (H,S) Plagues: Biology, Economy, Society

Marks 3 credits

Philosophy**150.219 (H) Introduction to Bioethics**

Bok 3 credits

150.474 (H) Justice and Health

Bok 3 credits

Political Science**190.212 (S) Introduction to Political Economy II****190.354 (S,W) Politics of Health Policy**

Sheingate 3 credits

195.477 (S) Introduction to Urban Policy

Newman 3 credits

195.478 Urban Policy Internship

Newman 3 credits

Psychological and Brain Sciences**200.132 (S) Introduction to Developmental Psychology****200.133 (S) Introduction to Social Psychology****200.330 (S) Psychology of Gender****200.339 (S) Issues in Counseling and Mental Health Care****Sociology****230.208 (S,W) Contemporary Perspectives in Race Relations**

McDonald 3 credits

230.305 (S) Poverty and Welfare Policy

Cherlin 3 credits

230.313 (S) Space, Place, Poverty and Race

DeLuca 3 credits

230.316 (S) The African-American Family

McDonald 3 credits

230.328 (S) Sociology of Human Development

Entwisle 3 credits

230.341 (S) Medical Sociology

Eaton 3 credits

Interdepartmental**360.258 (H,S) Women's Health and the Life Course**

Staff 3 credits

360.386 (H,S) Do You Want Fries with That? A History of Food and Eating in America

Northcott 3 credits

360.499 (H,S) Race, Class, and Justice: Seminar Practicum in Contemporary Urban Space

Northcott 3 credits