Public Health

Public Health is an interdisciplinary concentration through which students examine a variety of issues, including population health and disease, health policy, cross-cultural and international aspects of health, the organizational and social structures through which health services are delivered and received, and the public health system. Courses in the concentration allow students to explore the ways in which the social, political, behavioral and biological sciences contribute to the understanding of patterns of population distributions of health and disease. The concentration also provides students with courses in basic research methods and statistics necessary for problem solving and critical thinking in the emerging emphasis on evidence-based health care and public health.

The undergraduate component to the five-year AB/MPH differs in some ways from the Public Health concentration. Please refer to http://brown.edu/academics/public-health/education-training/masters/mph-program-about-us/combined-programs/abmph. Meet early with a concentration adviser to discuss your plans.

1. Core Courses: (non-substitutable)
   - PHP 0310 Health Care in the United States
     This course is best taken as a freshman or sophomore.
   - PHP 0320 Introduction to Public Health
     This course is a prerequisite to the Fundamentals of Epidemiology (PHP 0850) and is best taken as a freshman or sophomore.
   - PHP 1501 Essentials of Data Analysis
     This course is best taken by end of junior year before PHP 1910, Senior Seminar.
   - PHP 1910 Public Health Senior Seminar
     This course, which is required for all non-honors students and optional for honors students, is taken as a senior. PHP 0320 and PHP 0310 are required prior to course.
   - PHP 0850 Fundamentals of Epidemiology
     This course is best taken by end of junior year before PHP 1910, Senior Seminar.

2. Environmental Health and Policy (Select one of the following): 1
   - PHP 1700 Current Topics in Environmental Health
   - BIOL 1820 Environmental Health and Disease
   - ENVS 1410 Environmental Law and Policy

3. Health, Health Care Systems and Policy (Select one of the following): 1
   - PHP 1520 Emergency Medical Systems: An Anatomy of Critical Performance
   - PHP 1530 Case Studies in Public Health: The Role of Governments, Communities and Professions
   - PHP 1070 The Burden of Disease in Developing Countries
   - PHP 1100 Comparative Health Care Systems
   - PHP 1500 Global Health Nutrition
   - ECON 1360 Health Economics

4. Social and Behavioral Science for Prevention (Select one of the following): 1
   - PHP 1010 Doctors and Patients- Clinical Communication in Medicine
   - PHP 1400 HIV/AIDS in Africa: A Multidisciplinary Approach to Support HIV/AIDS Care and Treatment Programs
   - PHP 1540 Alcohol Use and Misuse
   - PHP 1600 Obesity in the 21st Century: Causes, Consequences and Countermeasures
   - PHP 1680N Tobacco, Smoking, and the Evil Empire
   - PHP 1740 Principles of Health Behavior and Health Promotion Interventions
   - PHP 1920 Social Determinants of Health

5. Approved General Electives (Select four electives; no more than two (2) can be Human Biology/Physiology courses): 4
   - The four electives may be selected from: A. the approved courses from the areas listed above or B. the approved general electives listed below.
   - PHP 0030 Health of Hispanics
   - PHP 0050 Pain and the Human Condition: Exploring the Science, Medicine, and Culture of Pain
   - PHP 1680I Pathology to Power: Disability, Health and Community
   - PHP 1680K Introduction to Conducting Clinical Research
   - PHP 1680M The Epidemiology of Violence and its Consequences
   - ANTH 0300 Culture and Health
   - ANTH 1020 AIDS in Global Perspective
   - ANTH 1242 Bioethics and Culture
   - ANTH 1300 Anthropology of Addictions and Recovery
   - ANTH 1310 International Health: Anthropological Perspectives
   - BIOL 0030 Principles of Nutrition (Human Biology/Physiology course)
   - BIOL 0040 Nutrition for Fitness and Physical Activity
   - BIOL 0140K Conservation Medicine
   - BIOL 0180 The Biology of AIDS
   - BIOL 0190E Botanical Roots of Modern Medicine
   - BIOL 0200 The Foundation of Living Systems (Human Biology/Physiology course)
   - BIOL 0470 Genetics (Human Biology/Physiology course)
   - BIOL 0530 Principles of Immunology (Human Biology/Physiology course)
   - BIOL 0800 Principles of Physiology (Human Biology/Physiology course)
   - BIOL 0860 Diet and Chronic Disease
   - BIOL 0920A Controversies in Medicine (Human Biology/Physiology course)
   - BIOL 1920B Health Inequality in Historical Perspective
   - BIOL 1920C Social Contexts of Disease
   - BIOL 1920D Race, Difference and Biomedical Research: Historical Considerations
   - ENVS 0490 Environmental Science in a Changing World
   - ENVS 1580 Environmental Stewardship and Resilience in Urban Systems
   - ETHN 1890J Native American Environmental Health Movements
   - HMAN 1970G International Perspectives on NGOs, Public Health, and Health Care Inequalities
   - NEUR 0010 The Brain: An Introduction to Neuroscience (Human Biology/Physiology course)
   - PLCY 1700V Nonprofit Organizations
   - SOC 0300B Environment and Society
   - SOC 0300E HIV/AIDS: Politics, Culture and Society
   - SOC 0300F Unequal From Birth: Child Health From a Social Perspective
   - SOC 0300K Inequalities and Health
   - SOC 1250 Perceptions of Mental Illness
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>SOC 1315</td>
<td>Macro-Organizational Theory: Organizations in Social Context</td>
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<tr>
<td>SOC 1410</td>
<td>Aging and the Quality of Life</td>
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<td>SOC 1540</td>
<td>Human Needs and Social Services</td>
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<td>SOC 1550</td>
<td>Sociology of Medicine</td>
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<td>SOC 1870D</td>
<td>Aging and Social Policy</td>
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<td>SOC 1871H</td>
<td>Social Perspectives on HIV/AIDS</td>
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<tr>
<td>SOC 1871N</td>
<td>Military Health: The Quest for Healthy Violence</td>
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**Total Credits**: 12

**Honors:**

An Honors track is available for students who qualify. Honors track students are also required to enroll in PHP 1980 in both semesters of their senior year to conduct research and write the honors thesis. Please visit [http://www.brown.edu/academics/public-health/education-training/undergraduate/public-health-concentration/honors-track](http://www.brown.edu/academics/public-health/education-training/undergraduate/public-health-concentration/honors-track) for details or email Barbara_Dailey@brown.edu for more information.

**Study Abroad/Study Away**: Courses taken elsewhere may be applied to non-core courses. Meet with a concentration adviser, and be prepared to provide a syllabus or syllabi, that you are interested in transferring to your concentration plan.