PUBLIC HEALTH, MINOR

Public Health Program

The goal of Public Health is to protect, preserve, and promote the health of communities and populations. Public Health problems can best be solved through a full understanding of the complex relationships between disease processes and the social determinants of health, and such an understanding depends on concepts and skills drawn from many different liberal arts disciplines.

The Public Health Minor includes a number of different tracks from which students can choose. The Public Health Fundamentals track provides a broad based introduction to Public Health issues and core areas, and is well suited for students with a general interest in Public Health, or for students who intend to pursue post-graduate work in a health-related field. Additional tracks provide options for students who wish to do more targeted exploration within Public Health's core areas, or at the intersection of Public Health with related disciplines. These tracks include:

1. Global Health;
2. The Environment & Public Health;
3. Health, Wellness, & Society;
4. Data & Public Health; and
5. Health Equity & Justice.

Descriptions of tracks are below.

All Public Health Minor tracks include required courses in Public Health and Epidemiology. In these courses, students explore the ways social, political and economic forces influence the health of populations, and develop skills that facilitate analysis of disease distribution in populations. All students also complete a culminating seminar, and participate in an experiential learning activity. The experiential learning activity must be approved by a Public Health Minor coordinator.

Public Health Minor tracks:

Public Health Fundamentals

This track provides a broad-based foundation in the core areas of Public Health and the disciplines that inform it. This track is well suited for students who wish to complement their major course of study with a comprehensive introduction to the theories, tools, and concepts of Public Health.

Global Health

The coursework in this track introduces students to international health and development issues through a Public Health lens. Students will investigate the social, economic, political, and environmental determinants of global health inequity, and the programs and policies used to address it.

The Environment & Public Health

This track supports the exploration of environmental issues as they relate to human health and disease, with an emphasis on Environmental Health and climate change. Students have the opportunity to blend foundational courses in Public Health with courses related to environmental policy, ethics, and science.

Health, Wellness, & Society

This track emphasizes the multidimensional nature of health, with a focus on the social, cultural, and behavioral determinants of human health. Students will explore personal and community-based practices that promote health, and the theoretical underpinnings of these practices.

Data & Public Health

This track introduces students to the foundations of Public Health and Data Science, and is appropriate for students interested in the intersection of health, computing, and statistics (the three pillars of Health Data Science, a growing field).

Health Equity & Justice

This track introduces students to issues in health equity and health opportunity. Students will learn about the intersectionality of health with wealth, race/ ethnicity, gender, disability, and other axes of identity. Elective courses will provide additional foundation in these critical social issues.

Declaration Process

To declare the Public Health Minor, students will meet with one of the coordinators to discuss the track requirements, and to complete a declaration form. The declaration form will require students to specify which track they will complete. Students are encouraged to declare this minor as early as possible, to ensure they complete all requirements in sequence.

The Public Health minor has 6 tracks from which to choose:

- Public Health Fundamentals (22 Credits)
- Global Health (19 Credits)
- The Environment and Public Health (19 Credits)
- Health, Wellness, and Society (20 Credits)
- Data and Public Health (19 Credits)
- Health Equity and Justice (19 Credits)

All Tracks Include

Core Requirements

Code	Title	Hours
PBHL 101	Intro to Public Health	3
PBHL 201	Foundations of Epidemiology	3

Experiential Learning & Culminating Experience

- ELA-Experiential Learning Activity - To fulfill this non-credit bearing requirement , students must complete 30 hours (minimum) of a hands-on experience related to Public Health, as verified by a site supervisor. Students need to receive approval from Minor coordinators before the experience. Eligible experiential activities include Public Health-related research with faculty members, volunteer projects on or off campus, internships, service trips, study abroad or study away experiences, or course-based experiential learning. An approved ELA must be completed for students to receive Instructor Permission to register for PBHL 400 Public Health Minor Seminar.
- PBHL 400 Public Health Minor Seminar (1) This seminar will serve as a culminating experience for the Public Health Minor, and an opportunity for students from different tracks to collaborate. In the seminar, students from different tracks will engage in class discussions and written assignments to integrate content from

coursework and the ELA, and to juxtapose it within Public Health research and practice.

To register for PBHL 400 Public Health Minor Seminar, students must have completed core and track requirements and an approved ELA. They may have a maximum of 6 credits of elective requirements remaining.

Public Health Minor Tracks

Public Health Foundations

This group of courses provides a broad-based foundation in the core areas of Public Health and the disciplines that inform it. This track is well suited for students who wish to complement their major course of study with a comprehensive introduction to the theories, tools, and concepts of Public Health.

Code	Title	Hours
Public Health Foundations Track Requirements		
Select two of the following:		6-7
BIOL 106	Disease, Biomedicine, and Biomedical Research	
CHEM 150	First-Year Seminar (Emerging Diseases)	
PBHL 212	Global Health	
PBHL 323	Health Policy	
PBHL 325	Environmental Issues in Public Health	
Statistics Electives		
Select one of the following:		3-4
BIOL 327	Intro to Biostatistics	
ECON 307	Principles and Methods of Statistics	
HHP 300	Statistical and Data Analysis in Health Sciences	
MATH 106	Elementary Probability and Statistics	
MATH 351	Probability and Statistics for Scientists	
PSYC 301	Elementary Statistics	
SOCI 303	Quant Research Methods	
Social and Behavioral Aspects of Health Electives		
Select one of the following:		3
PBHL 350	The Social and Behavioral Sciences in Health	
SOCI 240	Medical Sociology	
SOCI 412	Sociology of Aging	
Ethics and Health Electives		
Select one of the following:		3
PHIL 303	Ethics	
PHIL 315	Biomedical Ethics	
PHIL 325	Neuroscience and Ethics	
RELG 322	Illness and Religion	
Total Hours		**15-17**

Global Health

The coursework in this track introduces students to international health and development issues from a Public Health lens. Students will investigate the social, economic, political, and environmental determinants of global health inequity, and the programs and policies used to address it.

Code	Title	Hours
Global Health Track Requirements		
PBHL 212	Global Health	3
Global Health Track Electives		
Select nine credits from the following with no more than 6 credits may be taken in a single department:		9
ANTH 363	Culture and Cuisine: The Anthropology of Food	
or SOCL 340	Special Topics in Sociology	
BIOL 106	Disease, Biomedicine, and Biomedical Research	
EDUC 360	Globalization and Education	
SOCI 311	Birth, Sex, Death: Population and Society	
SOCI 313	Media and Society	
Total Hours		**12**

The Environment & Public Health

This group of courses supports the exploration of environmental issues as they relate to human health and disease, with an emphasis on Environmental Health and climate change. Students have the opportunity to blend foundational courses in Public Health with courses related to environmental policy, ethics, and science.

Code	Title	Hours
The Environment & Public Health Track Requirements		
GEOL 212	Global Climate Change	3
PBHL 325	Environmental Issues in Public Health	3
The Environment & Public Health Track Electives		
Select six credits from the following:		6
AMST 350	Topics in American Culture	
BIOL 318	Conservation Biology	
CHEM 150	First-Year Seminar	
ECON 322	Environmental and Natural Resource Economics	
ENSP 249	Environmental Topics	
ENSP 249	Environmental Topics (Campus Park Rx)	
ENSP 249	Environmental Topics (Re-wilding)	
ENSP 250	Seminar Topics in Environmental Science and Policy (Landscapes of Disease)	
GEOL 110	Earth's Environmental Systems: Physical Geography	
GEOL 305	Environmental Geology	
GEOL 316	Environmental Geochemistry	
SOCI 353	Environmental Sociology	
or SOCI 433	Energy, Environment, and Development	
Total Hours		**12**

Health, Wellness, and Society

This track emphasizes the multidimensional nature of health, with a focus on the social, cultural, and behavioral determinants of human health. Students will explore personal and community-based practices that promote health, and the theoretical underpinnings of these practices.

Code	Title	Hours
Health, Wellness, & Society Track Requirements		
INTR 110	Wellness Applications	1
PBHL 350	The Social and Behavioral Sciences in Health	3
Psychological and Behavioral Determinants of Health		
Select one of the following:		3-4
ECON 150	First-Year Seminar	
ENSP 249	Environmental Topics	

PSYC 318	Psychopathology	
PSYC 356	Health Psychology	
RELG 100	Critical Questions in Religious Studies	
RELG 382	Buddhism and Science	
Social and Cultural Determinants of Health		
Select two of the following:		6
PSYC 350	Community Psychology and Prevention	
SOCI 442	Political Ecology of Health & Disease	
SOCI 443	Sociology of Mental Illness	
PBHL 440	Health in DC	
Total Hours		**13-14**

Data and Public Health

This track introduces students to the foundations of Public Health and Data Science, and is appropriate for students interested in the intersection of health, computing, and statistics (the three pillars of Health Data Science, a growing field).

Code	Title	Hours
Data & Public Health Track Requirements		
DATA 201	Introduction to Data Science & AI	3
CSCI 146	Reasoning Under Uncertainty	3
Data & Public Health Track Electives		
Select one of the following:		3
BIOL 106	Disease, Biomedicine, and Biomedical Research	
PBHL 212	Global Health	
PBHL 323	Health Policy	
PBHL 325	Environmental Issues in Public Health	
PBHL 350	The Social and Behavioral Sciences in Health	
Select one of the following:		3
BIOL 325	Introduction to Quantitative Biology	
BIOL 327	Intro to Biostatistics	
BUAD 462	Healthcare Informatics	
ECON 456	Economics of Health and Health Care	
GIS 201	Introduction to Geographic Information Systems and Spatial Analysis	
MATH 351	Probability and Statistics for Scientists	
PBHL 410	Advanced Topics in Public Health (Methods in Health Development)	
Total Hours		**12**

Health Equity and Justice

The coursework in this track introduces students to issues in health equity and health opportunity. Students will learn about the intersectionality of health with wealth, race/ ethnicity, gender, disability, and other axes of identity. Elective courses will provide additional foundation in these critical social issues.

Code	Title	Hours
Health Equity & Justice Track Requirements		
Select one of the following:		3
PBHL 350	The Social and Behavioral Sciences in Health	
PBHL 440	Health in DC	
SOCI 342	Families and Kinship	
Health Equity & Justice Track Electives		
Select three courses, with no more than 6 credits from a single department:		9
AFST 205	Introduction to Africana Studies	
or SOCI 415	Sociology of Sexualities	
or GSWS 29(	Topics in Gender, Sexuality, & Women's Studies	
SOCI 251	Institutions and Inequality	
SOCI 351	Immigration, Assimilation and Ethnicity	
Total Hours		**12**