



DREXEL UNIVERSITY

Dornsife

School of Public Health

CATALOG

2023-2024

UNDERGRADUATE



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The Dornsife School of Public Health

About the School

The Dornsife School of Public Health (DSPH) was founded on the principle of health as a human right and the recognition of the importance of social justice as a means to achieve health for all. We define health broadly to encompass physical, mental, and social well-being and not merely as the absence of disease or infirmity. We view the focus on the health of populations as a distinguishing feature of the field of public health. Our focus on population health requires us to consider not only the characteristics of individuals but also the broader social, economic, and policy contexts of health. It also implies that a broad range of actions and policies beyond those of the health care system can substantially impact health. Improving population health requires a fundamental commitment to social justice and the elimination of inequities in health. The goal of improving population health also cannot be achieved without meaningful and sustained partnerships. DSPH is committed to providing rigorous evidence and training, to building equitable partnerships, and to translating knowledge into actions that improve population health and reduce health inequities. Special distinguishing features of DSPH include a commitment to social justice and health equity, and engaging with local and global partners to create meaningful change via policy and public health practice.

Vision. To create a world that is healthier and more just for all and where everyone can live life to their full potential.

Mission. The mission of DSPH is to provide education, conduct research, and partner with communities and organizations to improve the health of populations. We view health as a human right and have a special commitment to improving health in cities, eliminating health disparities, and promoting health in all policies.

Values. DSPH faculty, staff, and students are committed to the following:

- Health as a human right and the importance of social justice to health
- Integrity, rigor, critical thinking, and self-reflection in research, scholarship, and education
- Translation of knowledge into actions to improve population health and eliminate health disparities
- Sustainable and equitable community partnerships
- Inclusiveness, diversity, empathy, and respect for others regardless of position or status
- Human dignity and open and honest dialogue
- Service to local communities while recognizing the value of a global perspective

Majors

- Global Public Health (BA) (p. 6)
- Health Data Analytics (BS) (p. 9)
- Public Health (BS) (p. 11)

Accelerated Degree

- Public Health BS/MPH (p. 15)

Minors

- Environmental Public Health (p. 20)
- Epidemiology (p. 20)
- Global Public Health (p. 21)
- Health and Social Justice (p. 22)
- **NEW:** Health Data Analytics
- Public Health (p. 23)

Quarter Calendar

BS, BA, BS/MPH, Minors

Academic Calendar (<https://drexel.edu/provost/calendars/academic-calendars/quarters-2020-2023/>)

Dornsife School of Public Health Faculty

Joseph Amon, PhD, MSPH (*Uniformed Services University of the Health Sciences*) Director, Office of Global Health. Clinical Professor. Department of Community Health and Prevention. Global health or international health; health disparities; health policy; infectious disease; mixed methods; public health ethics.

Amy Auchincloss, PhD, MPH (*University of Michigan*). Associate Professor. Department of Epidemiology and Biostatistics. Cardiovascular disease, data analysis methods; diabetes; global health or international health; health disparities; health economics; health policy; nutrition; spatial analysis or GIS; urban health.

Sharrelle Barber, ScD, MPH (*Harvard University*) Director, *The Ubuntu Center on Racism, Global Movements and Population Health Equity*. Assistant Professor. Department of Epidemiology and Biostatistics. Urban Health Collaborative. Racial/ethnic health inequalities in cardiovascular disease; social determinants of racial/ethnic health inequalities in cardiovascular disease; community-engaged research; geography and health; multilevel analysis; spatial analysis and GIS; global health; urban health.

Zekarias Berhane, PhD (*University of Pittsburgh*). Assistant Professor. Department of Epidemiology and Biostatistics. Cancer; clinical trials; data analysis methods; global health and international health; health disparities; maternal and child health; urban health.

Usama Bilal, PhD, MPH, MD (*Johns Hopkins University*). Assistant Professor. Department of Epidemiology and Biostatistics. Urban Health Collaborative. Cardiovascular disease; diabetes; health and place or built environment; data analysis methods; health disparities; spatial analysis or GIS; urban health.

Sandra Bloom, MD (*Temple University School of Medicine*) Co-Founder, *Center for Nonviolence and Social Justice*. Associate Professor. Department of Health Management and Policy. Violence and trauma; public health practice; substance use; mental health and behavioral health; maternal and child health; healthcare administration and management; community engaged research.

Sherry Brandt-Rauf, MPhil, JD (*Columbia University*). Associate Teaching Professor. Department of Environmental and Occupational Health. Health policy; occupational health; environmental exposures; health disparities; public health law.

Jennifer Breaux, DrPh, MPH, CHES (*Drexel University*) Director, *Undergraduate Education*. Associate Teaching Professor. Department of

Community Health and Prevention. Maternal and child health; community health; human rights.

Darryl Brown, PhD (*Johns Hopkins University*). Associate Teaching Professor. Department of Health Management and Policy. Health services research; healthcare administration and management; patient reported outcomes; health disparities; Pharmacoeconomics; managed care; urban health.

James Buehler, MD (*University of California, San Francisco*). Teaching Professor. Department of Health Management and Policy. Health policy; urban health; public health practice; public health & health care interface.

Igor Burstyn, PhD (*Utrecht University*). Associate Professor. Department of Environmental and Occupational Health. Cancer; community based participatory research; cardiovascular disease; data analysis methods; statistical modeling; environmental exposures; maternal and child health; mental health and behavioral health; neurodevelopment and neurologic disorders; occupational health; asthma and COPD; industrial hygiene; risk assessment; epidemiology; Bayesian statistics.

Amy Carroll-Scott, PhD, MPH (*University of California at Los Angeles*) *Chair*. Associate Professor. Department of Community Health and Prevention. Urban health; health and place or built environment; community based participatory research; health inequities; spatial analysis or GIS; data integration; data visualization; mixed methods study designs; place-based, cross-sector interventions and evaluation.

Esther Chernak, MD, MPH, FACP (*UMDNJ-Robert Wood Johnson Medical School*) *Director, Center for Public Health Readiness and Communication*. Clinical Professor. Department of Environmental and Occupational Health. Drexel University College of Medicine; Infectious diseases; public health emergency preparedness; medicine and public health; public health practice; crisis and emergency risk communication.

Mariana Chilton, PhD, MPH (*University of Pennsylvania*) *Director, Center for Hunger-Free Communities*. Professor. Department of Health Management and Policy. . Nutrition; community engaged research; health disparities; health policy; maternal and child health; mental health and behavioral health; urban health; violence and trauma; human rights; food insecurity.

Jane Clougherty, MSc, ScD (*Harvard University*). Professor. Department of Environmental and Occupational Health. Environmental exposures; health and place or built environment; health disparities; urban health; violence and trauma; air pollution; chronic stress; environmental epidemiology; exposure science; gender analysis; multiple exposures; social epidemiology; spatial analysis/Geographic Information Systems (GIS); violence exposures.

Anneclaire De Roos, PhD, MPH (*University of North Carolina at Chapel Hill*). Associate Professor. Department of Environmental and Occupational Health. Environmental exposures; occupational health; spatial analysis or GIS; health and place or built environment; urban health; pesticides; risk assessment; drinking water; green landscape in cities.

Ana V. Diez Roux, MD, PhD, MPH (*Johns Hopkins University*) *Dana and David Dornsife Dean*. Distinguished Professor. Department of Epidemiology and Biostatistics. Urban Health Collaborative. Social determinants of health; neighborhoods and health; race and ethnic health disparities; psychosocial factors and cardiovascular disease; air pollution epidemiology; urban health; multilevel methods; complex systems approaches to population health; health in Latin America.

Jan M. Eberth, PhD (*University of Texas Health Science Center*) *Chair*. Professor. Department of Health Management and Policy. Cancer prevention; health equity; health policy; health services research; spatial analysis and GIS.

Nancy Epstein, MPH, MAHL (*University of North Carolina at Chapel Hill*). Clinical Professor. Department of Community Health and Prevention. Arts and public health; community organizing and community-engaged research; religion, spirituality and health; behavioral health; program planning and evaluation.

Alex Ezeh, PhD (*University of Pennsylvania*). Professor. Department of Community Health and Prevention. Global/international health; reproductive and sexual health; urban health; longitudinal research designs and methods; population change and its drivers; health systems research; research capacity strengthening.

Jerry Fagliano, MPH, PhD (*Johns Hopkins University*) *Chair*. Clinical Professor. Department of Environmental and Occupational Health. Environmental exposures; public health practice; health disparities; climate change.

Robert Field, PhD, JD, MPH (*Columbia University*). Professor. Department of Health Management and Policy. Drexel University Kline School of Law. Health policy; public health law; health administration and management; public health ethics.

Janet Fleetwood, PhD, MPH (*University of Southern California*). Professor. Department of Community Health and Prevention. Public health ethics; urban health; health disparities; food safety.

Arthur Frank, MD, PhD (*Mount Sinai School of Medicine*). Professor. Department of Environmental and Occupational Health. Cancer; environmental exposures; global or international health; history of public health; occupational health; agricultural safety and health; toxicology; environmental justice.

Dennis Gallagher, MA, MPA (*University of Pittsburgh*). Associate Teaching Professor. Department of Health Management and Policy. Health policy; history of public health; Medicare/Medicaid; public health practice.

Neal D. Goldstein, PhD, MBI (*Drexel University*). Associate Professor. Department of Epidemiology and Biostatistics. Data analysis methods; eHealth or mHealth; infectious disease; maternal and child health; reproductive or sexual health; spatial analysis or GIS; statistical modeling; vaccines and vaccinations; electronic medical records/informatics; translational epidemiology.

Edward Gracely, PhD (*Temple University*). Associate Professor. Department of Epidemiology and Biostatistics. Drexel University College of Medicine. Data analysis methods; statistical consulting; biostatistics; multiple comparisons.

Ashley B. Gripper, PhD, MPH (*Harvard University*). Assistant Professor. Department of Community Health and Prevention. The Ubuntu Center on Racism, Global Movements, and Population Health Equity. Community-engaged research; environmental health; urban agriculture; climate justice; food justice; spirituality; land access; collective agency & community power.

Ali Groves, PhD, MHS (*University of North Carolina*). Assistant Professor. Department of Community and Health Prevention. Reproductive or sexual health; maternal and child health; global health; data analysis methods.

Aritra Halder, PhD, MS (*University of Connecticut*). Assistant Professor. Department of Epidemiology and Biostatistics. Bayesian modeling; spatiotemporal statistics; spatial statistics.

Irene Headen, PhD, MS (*University of California, Berkeley*). Assistant Professor. Department of Community Health and Prevention. Community engaged research health disparities; health and place; maternal and child health; mixed methods research; social determinants of racial/ethnic inequities in maternal health; spatial analysis or GIS; urban health.

Stephanie Hernandez, PhD, MS (*University of Texas at San Antonio*). Assistant Professor. Department of Epidemiology and Biostatistics. Drexel FIRST Program. Demography; health disparities; LGBT health disparities; population health; minoritization; intersectionality; sexual and gender minority health.

Tom Hipper, MSPH, MA (*Johns Hopkins University*) Associate Director, Center for Public Health Readiness and Communication. Assistant Teaching Professor. Department of Environmental and Occupational Health. Crisis communication; risk communication; health communication; public health preparedness; emergency management; social media.

Jana A. Hirsch, MES, PhD (*University of Michigan*). Assistant Research Professor. Department of Epidemiology and Biostatistics. Urban Health Collaborative. Health and place or built environment; health disparities; mental health and behavioral health; spatial analysis or GIS; urban health; physical activity; active aging and age-friendly neighborhoods.

Jacquelyn (Jackie) Jahn, PhD, MPH (*Harvard University*). Assistant Professor. Department of Epidemiology and Biostatistics. The Ubuntu Center on Racism, Global Movements, and Population Health Equity. Social epidemiology; structural racism and health; quantitative methods for health inequities; urban health; maternal and child health; spatial analysis or GIS; violence and trauma.

Jessie Kemmick Pintor, PhD, MPH (*University of Minnesota*). Assistant Professor. Department of Health Management and Policy. Center for Population Health and Community Impact. Community based participatory research; immigrant health; health disparities; health services research; health policy; maternal & child health; mixed methods; immigration policy.

Josiah L. Kephart, PhD, MPH, CPH (*Johns Hopkins University*). Assistant Professor. Department of Environmental and Occupational Health. Drexel FIRST Program. Urban Health Collaborative. Environmental exposures; urban health; health disparities; environmental and social epidemiology; climate change; global health.

Ann Klassen, PhD (*Johns Hopkins University*). Professor. Department of Community Health and Prevention. Cancer; community based participatory research; data analysis methods; GIS-based and spatial analysis; environmental exposures; global health; immigrant health; health communication; health disparities; health policy; maternal and child health; substance abuse; nutrition; sexual health; urban health; mixed methods; qualitative methods; excess burden intervention.

Jennifer Kolker, MPH (*University of Michigan*) Associate Dean, Public Health Practice and External Relations. Director, Center for Public Health Practice. Clinical Professor. Department of Health Management and Policy. Access to care; health equity, health policy; public health practice; urban health.

Shiriki K. Kumanyika, PhD, MS, MPH (*Cornell University*). Research Professor. Department of Community Health and Prevention. Solutions to obesity and diet-related diseases in Black children and adults; improving

equity-focused obesity policies and programs; targeted marketing of unhealthy foods and beverage; food and nutrition policy; evidence-based public health; implementation research in community settings; systems science applications in public health.

Brent A. Langellier, PhD, MA (*University of California, Los Angeles*). Associate Professor. Department of Health Management and Policy. Health disparities; diet disparities; Latino health; health policy; immigrant health; complex systems.

Stephen Lankenau, PhD (*University of Maryland*) Director, Medical Cannabis Research Center. Professor. Department of Community Health and Prevention. Mental health and behavioral health; substance use; urban health.

Jourdyn A. Lawrence, PhD, MSPH (*Harvard University*). Assistant Professor. Department of Epidemiology and Biostatistics. Drexel FIRST Program. Structural and interpersonal racism; racial/ethnic health inequities; social epidemiology; urban health; quantitative methods for social epidemiology; aging and cognitive function; embodiment; systematic review and meta-analysis.

Mariana Lazo, MD, PhD, ScM (*Johns Hopkins University*). Associate Research Professor. Department of Community Health and Prevention. Racial/ethnic health disparities; Hispanic/Latino health; social determinants of health; community-based participatory research; urban health; epidemiology of obesity and diabetes; epidemiology of cardiovascular diseases; epidemiology of alcohol consumption; epidemiology of chronic liver diseases.

Michael LeVasseur, PhD, MPH (*Drexel University*). Assistant Teaching Professor. Department of Epidemiology and Biostatistics. Data analysis methods; health disparities; infectious disease; reproductive or sexual health.

Brian Lee, PhD (*Johns Hopkins University*). Associate Professor. Department of Epidemiology and Biostatistics. Data analysis methods; maternal and child health; mental health and behavioral health; neurodevelopment and neurologic disorders.

Nora Lee, PhD (*Johns Hopkins University*). Assistant Research Professor. Department of Epidemiology and Biostatistics. Maternal and child health; reproductive and perinatal health; health disparities; tobacco control.

Longjian Liu, MD, PhD, MSc, FAHA (*The University of Hong Kong*). Associate Professor. Department of Epidemiology and Biostatistics. Cardiovascular disease; diabetes; environmental exposures; global health or international health; health disparities; infectious disease; neurodevelopment and neurologic disorders; nutrition; spatial analysis or GIS; urban health; pharmacoepidemiology; air quality and urban health in China; health failure epidemiology.

Javier Lopez-Rios, PhD, MPH (*The City University of New York*). Assistant Teaching Professor. Department of Community Health and Prevention. Racial, ethnic, and sexual minority populations; HIV/AIDS prevention and intervention; qualitative research methods; community health.

Gina Lovasi, PhD, MPH (*University of Washington*) Associate Dean, Education. Dornsife Associate Professor. Department of Epidemiology and Biostatistics. Urban Health Collaborative. Cardiovascular disease; data analysis methods; health and place or built environment; health disparities; spatial analysis or GIS; urban health; urban trees and

greenspace; local retail and urban design; transportation, infrastructure and policies.

Félice Lê-Scherban, PhD, MPH (*University of Michigan*). Associate Professor. Department of Epidemiology and Biostatistics. Cardiovascular disease; community based participatory research; health and place of built environment; health disparities; immigrant health; life course; mental health and behavioral health; urban health.

Ana Martinez-Donate, PhD (*Universidad Autónoma de Madrid, Spain*). Professor. Department of Community Health and Prevention. Community engaged research; immigrant health; health disparities; HIV prevention; health care access; Latino health; syndemics.

Tara McAlexander, PhD, MPH (*Johns Hopkins University*). Assistant Research Professor. Department of Epidemiology and Biostatistics. Cardiovascular disease, diabetes, nutrition; spatial analysis or GIS; data analysis methods, statistical modeling; health and place or built environment; occupational health, environmental exposures, emergency preparedness; health disparities.

Leslie Ain McClure, PhD, MS (*University of Michigan*) *Chair, Associate Dean, Faculty Affairs*. Professor. Department of Epidemiology and Biostatistics. Cardiovascular disease; clinical trials; environmental exposures, statistical modeling; adaptive designs in clinical trials; statistical methods for environmental epidemiology.

Yvonne Michael, ScD, SM (*Harvard University*). Professor. Department of Epidemiology and Biostatistics. Social epidemiology; epidemiology of aging; women's health; neighborhoods and health; health disparities.

Reneé H. Moore, PhD (*Emory University*) *Associate Dean, Diversity, Equity, Inclusion and Belonging; Director, Biostatistics Scientific Collaboration Center*. Research Professor. Department of Epidemiology and Biostatistics. Clinical trials; health disparities; obesity prevention.

Safiyah Okoye, PhD, MSN, RN, FNP-C (*Johns Hopkins University*). Assistant Professor. Department of Health Management and Policy. Drexel FIRST Program. Drexel College of Nursing and Health Professions. Aging; accidental falls; sleep; health disparities; home environment; socioeconomic factors.

Kasim Ortiz, MS (*Savannah State University*). Assistant Professor. Department of Health Management and Policy. Drexel FIRST Program. Aging/lifecourse; community engaged research; health disparities; health services research; population health; racial and ethnic health inequalities; sexual minorities and neighborhoods; substance use.

Alex Quistberg, PhD, MPH (*University of Washington*). Assistant Research Professor. Department of Environmental and Occupational Health. Urban Health Collaborative. Data analysis methods; global health or international health; health and place or built environment; health disparities; spatial analysis or GIS; urban health; intentional/violent injury and trauma; unintentional injury and trauma.

John Rich, MD, MPH (*Duke Medical School*). Visiting Research Professor. Department of Health Management and Policy. Center for Nonviolence and Social Justice. Health disparities; violence and trauma urban health; qualitative and mixed methods.

Lucy Robinson, PhD (*Columbia University*). Associate Teaching Professor. Department of Epidemiology and Biostatistics. Data analysis methods; neurodevelopment and neurologic disorders; spatial analysis or GIS; statistical modeling.

Alexis Roth, PhD, MPH (*Indiana University*). Associate Professor. Department of Community Health and Prevention. Substance use; reproductive or sexual health; community engaged research; infectious diseases; eHealth or mHealth; health disparities; urban health; mixed methods; women's health; social determinants of health.

Ayden Scheim, PhD (*Western University, Canada*). Assistant Professor. Department of Epidemiology and Biostatistics. Global health or international health; infectious disease; substance use; community based participatory research; social epidemiology; survey research methods; HIV/AIDS; LGBT health.

Leah Schinasi, PhD (*University of North Carolina*). Assistant Professor. Department of Environmental and Occupational Health. Environmental exposures; cancer; health and place or built environment; occupational health; urban health; community based participatory research; environmental justice; environmental epidemiology; climate change.

Alina Schnake-Mahl, ScD, MPH (*Harvard University*). Assistant Professor. Department of Health Management and Policy. Infectious disease; health disparities; health and place or built environment; urban health; data analysis methods; health services research; health policy.

Randall Sell, ScD (*Harvard University*). Professor. Department of Community Health and Prevention. Evaluation methods; research methods; LGBT health.

Lindsay Shea, DrPH, MS (*Drexel University*) *Director, Policy and Analytics Center, A.J. Drexel Autism Institute*. Associate Professor. Department of Health Management and Policy. Neurodevelopment; neurologic disorders; mental health; behavioral health; health policy.

David Smith, PhD (*University of Michigan*). Research Professor. Department of Health Management and Policy. Health administration and management; health disparities; history of public health; health services research; health policy; spatial analysis or GIS.

Mark Stehr, PhD (*University of California at Berkeley*) *Director, School of Economics*. Professor. Health policy, health economics; applied econometrics.

Agus Surachman, PhD, MS (*The Pennsylvania State University*). Assistant Professor. Department of Epidemiology and Biostatistics. Drexel FIRST Program. Aging; biopsychosocial factors of health; cardiovascular disease; health disparities; life course; racial health inequalities; renal disease; socioeconomic status; stress.

Thersa Sweet, PhD, MPH (*University of Michigan*). Associate Professor. Department of Epidemiology and Biostatistics. Cancer; health disparities; infectious diseases.

Brisa N. Sánchez, PhD (*Harvard University*) *Associate Dean, Research*. Dornsife Endowed Professor. Department of Epidemiology and Biostatistics. Statistical methods development; big data; data integration; health and place or built environment; development of mixed methods; health disparities; spatial analysis or GIS; environmental exposures.

Loni Philip Tabb, PhD (*Harvard University*). Associate Professor. Department of Epidemiology and Biostatistics. Cardiovascular health; health disparities & inequities; urban health; violence and trauma; environmental exposures; health and place; built environment; Bayesian statistical methods; spatial and spatio-temporal disease mapping.

Jennifer Taylor, PhD, MPH, CPPS (*Johns Hopkins University*) *Director, Center for Firefighter Injury Research and Safety Trends*. Arthur L.

and Joanne B. Frank Professor. Department of Environmental and Occupational Health. Community engaged research; data analysis methods; healthcare administration and management; health services research; health disparities; health policy; mental health or behavioral health; occupational health; public health practice; spatial analysis or GIS; urban health; violence and trauma.

Renee Turchi, MD, MPH (*Medical College of Pennsylvania*). Clinical Research Professor. Department of Community Health and Prevention. Health care for children and youth with special health care needs; child and maternal health.

Elizabeth (Libby) Salerno Valdez, PhD, MPH (*University of Arizona*). Assistant Professor. Department of Community Health and Prevention. Community-led health equity structural intervention; adolescent health; Latinx immigrant health; U.S.-Mexico border health; substance use; sexual and reproductive health; participatory action research.

Luis Arturo Valdez, PhD, MPH (*University of Arizona*). Assistant Professor. Department of Community Health and Prevention. Drexel FIRST Program. Gender-transformative interventions; patriarchy and health; men's health; participatory action research Latinx health disparities; substance use; nutrition and physical activity stress.

Kofoworola D.A. Williams, PhD, MPH (*Virginia Commonwealth University*). Assistant Professor. Department of Community Health and Prevention. Drexel FIRST Program. Black men & boy's mental health; mental health promotion & prevention; social and behavioral determinants; access; masculinities; help-seeking; social media & digital technologies; user-centered design; qualitative & mixed methods;

community-engaged research; health disparities; digital mental health equity.

Issa Zakeri, PhD (*University of Illinois and Urbana-Champaign*). Professor. Department of Epidemiology and Biostatistics. Data analysis methods; statistical modeling.

Emeritus Faculty

Marla Gold, MD (*New Jersey Medical School*) Professor and Dean Emerita. Department of Health Management and Policy. Health care administration and management; health care policy; infectious disease; public health practice; health disparities.

Raymond Lum, MS (*University of Pennsylvania*). Associate Teaching Professor Emeritus. Department of Health Management and Policy. Asian health; change management; E-health; health disparities; innovation diffusion; organization learning theory.

Jana Mossey, PhD, MPH, MSN (*University of North Carolina at Chapel Hill*). Professor Emerita. Department of Epidemiology and Biostatistics. Mental health; aging; social and psychiatric.

Augusta Villanueva, PhD (*University of Texas at Austin*). Associate Professor Emerita. Department of Community Health and Prevention. Poverty; health care for the underserved; health disparities; high risk youth; urban health issues; racial and ethnic disparities in health and health care; community-based participatory research behavioral health; community health; immigrant communities; LGBT issues; public health infrastructure; qualitative research.

Global Public Health BA

Major: Global Public Health

Degree Awarded: Bachelor of Arts (BA)

Calendar Type: Quarter

Minimum Required Credits: 180.0

Co-op Options: One Co-op (Four years)

Classification of Instructional Programs (CIP) code: 51.2201

Standard Occupational Classification (SOC) code: 21-1091

About the Program

The Bachelor of Arts in Global Public Health is an innovative undergraduate major that utilizes an interdisciplinary approach to expose students to global public health. Students will take a myriad of required courses within the Dornsife School of Public Health as well as courses in Global Studies and Modern Languages to fulfill degree requirements. The Global Public Health degree is a four-year, one co-op cycle program. Students are encouraged to explore global experiences for added breadth and depth.

Upon completion of the major, students can choose to use this degree program as a precursor to an MPH or an MS in a related topic area or as an active candidate for medical school or other schools of health-related professions. If students look to enter the workforce post BA, a variety of settings are applicable to this degree ranging from positions in public service (local, city, and state government), to NGO (local and international), and to healthcare settings.

Commonly found job titles for students seeking employment with the BA in Global Public Health are public health analysts, health educators, health coordinators, education specialists, health promotion assistant, behavioral health workers, site prevention specialists, and site community health workers.

Public Health Foundational Domains

- The concepts and applications of basic statistics
- The foundations of biological and life sciences
- The history and philosophy of public health as well as its core values, concepts, and functions across the globe and in society
- The basic concepts, methods, and tools of public health data collection, use, and analysis and why evidence-based approaches are an essential part of public health practice

- The concepts of population health, and the basic processes, approaches and interventions that identify and address the major health-related needs and concerns of populations
- The underlying science of human health and disease, including opportunities for promoting and protecting health across the life course
- The socioeconomic, behavioral, biological, environmental, and other factors that impact human health and contribute to health disparities
- The fundamental concepts and features of project implementation, including planning, assessment, and evaluation
- The fundamental characteristics and organizational structures of the U.S. health system as well as the differences between systems in other countries
- Basic concepts of legal, ethical, economic, and regulatory dimensions of health care and public health policy and the roles, influences, and responsibilities of the different agencies and branches of government
- Basic concepts of public health-specific communication, including technical and professional writing and the use of mass media and electronic technology

Additional Information

For more information about this program, please contact:

DSPH Academic Advising Team
Office of Education
dsphadvising@drexel.edu

Additional information can be found on the Dornsife School of Public Health website, including admissions criteria and how to apply. (<https://drexel.edu/dornsife/admissions/overview/>)

Degree Requirements

General Education Requirements		
CIVC 101	Introduction to Civic Engagement	1.0
COM 230	Techniques of Speaking	3.0
COM 320 [WI]	Science Writing	3.0
COOP 101	Career Management and Professional Development *	1.0
ECON 240	Economics of Health Care Systems	4.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
or ENGL 111	English Composition I	
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
GST 100	Introduction to Cultural Diversity	3.0
UNIV PH101	The Drexel Experience	1.0
PSY 101	General Psychology I	3.0
SOC 101	Introduction to Sociology	3.0
Two mathematics courses (MATH)		8.0
Two science courses (BIO, CHEM, ENVS, GEO, NFS, PHEV, PHYS)		8.0
Global Studies Electives (GST)		24.0
Language or Regional Minor **		24.0
Public Health Core Course Requirements		
PBHL 101	Public Health 101	3.0
PBHL 301	Epidemiology in Public Health	3.0
PBHL 302	Introduction to the History of Public Health	3.0
PBHL 303	Overview of Issues in Global Health	3.0
PBHL 304	Introduction to Health & Human Rights	3.0
PBHL 308	The U.S. Public Health System	3.0
PBHL 314	Environmental and Occupational Health	3.0
PBHL 497	Capstone Experience I	2.0
PBHL 498 [WI]	Capstone Experience II	3.0
PBHL 499 [WI]	Capstone Experience III	3.0
Public Health Electives ***		12.0
Free Electives		44.0
Total Credits		180.0

* Global Public Health students follow the spring/summer co-op cycle.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

** French, Japanese, Spanish, Asian Studies, or Middle East and Africa Studies minor. Additional introductory-level courses may be needed to complete language minors, which will count towards free electives.

*** Students choose any four PBHL courses from the 102-494 level outside of the PBHL core courses required for the degree.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/>). (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/>) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4 year, 1 co-op

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ENGL 101 or 111	3.0 CIVC 101	1.0 ENGL 103 or 113	3.0 VACATION	
GST 100	3.0 ENGL 102 or 112	3.0 GST Course	3.0-4.0	
PBHL 101	3.0 PSY 101	3.0 Language or Regional Minor Course	3.0-4.0	
UNIV PH101	1.0 SOC 101	3.0 Free Electives	6.0	
Language or Regional Minor Course	3.0-4.0 Language or Regional Minor Course	3.0-4.0		
Math Course	4.0 Math Course	4.0		
	17-18	17-18	15-17	0

Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
PBHL 303	3.0 PBHL 301	3.0 COM 230	3.0 COOP 101 [*]	1.0
PBHL 304	3.0 PBHL 302	3.0 PBHL 314	3.0 Public Health Elective	3.0
GST Course	3.0-4.0 Language or Regional Minor Course	3.0-4.0 Language or Regional Minor Course	3.0-4.0 Free Electives	9.0
Language or Regional Minor Course	3.0-4.0 Public Health Elective	3.0 Public Health Elective	3.0	
Science Course	4.0 Science Course	4.0 Free Electives	3.0	
	16-18	16-17	15-16	13

Third Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
ECON 240	4.0 COM 320	3.0 COOP EXPERIENCE	COOP EXPERIENCE	
PBHL 308	3.0 GST Course	6.0-8.0		
GST Course	3.0-4.0 Language or Regional Minor Course	3.0-4.0		
Language or Regional Minor Course	3.0-4.0 Public Health Elective	3.0		
Free Electives	3.0			
	16-18	15-18	0	0

Fourth Year

Fall	Credits Winter	Credits Spring	Credits
PBHL 497	2.0 PBHL 498	3.0 PBHL 499	3.0
GST Course	3.0-4.0 GST Course	3.0-4.0 GST Course	3.0-4.0

Free Electives	8.0 Free Electives	7.0 Free Electives	8.0
	13-14	13-14	14-15
Total Credits 180-196			

* Global Public Health students follow the spring/summer co-op cycle.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Health Data Analytics BS

Major: Health Data Analytics

Degree Awarded: Bachelor of Science (BS)

Calendar Type: Quarter

Minimum Required Credits: 180.0

Co-op Options: One Co-op (Four years)

Classification of Instructional Programs (CIP) code: 26.1102

Standard Occupational Classification (SOC) code: 15-2098

About the Program

The Bachelor of Science in Health Data Analytics prepares students to apply quantitative methods to a variety of real-world data analysis problems. Students will take courses in biostatistics, information science, public health, mathematics, epidemiology, and additional scientific disciplines of their choosing. Through their coursework, students will learn the analytic and computational skills necessary to handle large and complex data problems and apply statistical analysis techniques appropriately. The program is interdisciplinary and students will be exposed to contemporary scientific problems to provide context and motivation for methodological topics. Computing, data visualization, and scientific communication skills will be emphasized throughout, providing students with tools to serve as essential team members in a variety of data-driven research and industry settings.

This degree will prepare students for jobs requiring data analysis skills in industry and government, including health informatics, clinical research, consulting, public health, health policy, drug development, insurance, or graduate work in statistics, epidemiology, or other quantitative fields.

Health Data Analytics students learn to:

- Describe data in context, using information about data collection, study design, and scientific domain knowledge to build understanding of measured variables
- Manage and manipulate complex datasets
- Apply advanced statistical analysis methods appropriately
- Create data visualizations and communicate findings to a broad audience
- Work collaboratively as part of a research team

Additional Information

For more information about this program, please contact:

DSPH Academic Advising Team
Office of Education
dsphadvising@drexel.edu

Additional information can be found on the Dornsife School of Public Health website, including admissions criteria and how to apply. (<https://drexel.edu/dornsife/admissions/overview/>)

Degree Requirements

General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COM 320 [WI]	Science Writing	3.0
COOP 101	Career Management and Professional Development *	1.0
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory Research	3.0
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
SOC 101	Introduction to Sociology	3.0
UNIV PH101	The Drexel Experience	1.0
Biology Sequence **		12.0

Students must select one of the following biology sequences:

BIO 107 & BIO 108	Cells, Genetics & Physiology and Cells, Genetics and Physiology Laboratory
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Or

BIO 131 & BIO 132 & BIO 133	Cells and Biomolecules and Genetics and Evolution and Physiology and Ecology
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Math Requirements

MATH 121	Calculus I	4.0
MATH 122	Calculus II	4.0
MATH 200	Multivariate Calculus	4.0
MATH 201	Linear Algebra	4.0

Info Requirements

INFO 103	Introduction to Data Science	3.0
INFO 202	Data Curation	3.0
INFO 250	Information Visualization	3.0
INFO 332	Exploratory Data Analytics	3.0
INFO 371	Data Mining Applications	3.0

Core Course Requirements

PBHL 101	Public Health 101	3.0
PBHL 210	Biostatistics I	4.0
PBHL 211	Biostatistics II	3.0
PBHL 215	Introduction to Clinical Research	3.0
PBHL 301	Epidemiology in Public Health	3.0
PBHL 335	Applied Quantitative Research Methods	3.0
PBHL 340	Advanced Biostatistical Analysis	3.0
PBHL 400	Introduction to Statistical Inference	4.0
PBHL 401	Introduction to Public Health	0.0
PBHL 453	Longitudinal Data Analysis	3.0
PBHL 455	Introduction to Statistical Computing	3.0
PBHL 459	Survival Data Analysis	3.0
PBHL 495	Health Data Analytics Capstone	3.0

Science Selectives

18.0

Students select from: ANAT, BIO, CHEM, ENVS, FDSC, HSCI, NFS, PHEV, PHYS 100-499. Additional courses from other departments may be considered with program approval.

CCI/MATH Selectives

9.0

Students select from: CI, CS, CT, DSCI, INFO, MATH, SE, STAT 100-499

Social Sciences, Arts, and Humanities Selectives

12.0

Students select from: AFAS, ANTH, ARBC, ARCH, ARTH, CHIN, CJS, CMGT, COM, CULA, DANC, EDEX, EDUC, ESTM, FASH, FMST, FREN, GER, GST, HIST, INTR, ITAL, JAPN, JWST, KOR, LING, MUSC, PHIL, PHTO, PSCI, PSY, SOC, SPAN, THTR, VSCM, VSST, WGST, WRIT 100-499; ANIM 140, ANIM 141, ANIM 211, ANIM 212, ENGL 200-499, GMAP 260

Public Health Selectives

9.0

Students select from PBHL 100-499

Free Electives

33.0

Total Credits

180.0

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

** Students who take the BIO 107 and BIO 108 sequence will take 41.0 free elective credits.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/>)

academics/departments-centers/english-philosophy/university-writing-program/). (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/>) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4 year, 1 co-op

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BIO 131*	4.0 BIO 132*	4.0 BIO 133*	4.0 VACATION	
ENGL 101	3.0 CIVC 101	1.0 ENGL 103	3.0	
MATH 121	4.0 ENGL 102	3.0 INFO 103	3.0	
PBHL 101	3.0 MATH 122	4.0 MATH 200	4.0	
UNIV PH101	1.0 Free Electives	3.0 PBHL 301	3.0	
	15	15	17	0

Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
PBHL 210	4.0 PBHL 211	3.0 COM 320	3.0 COOP 101**	1.0
PBHL 455	3.0 MATH 201	4.0 INFO 202	3.0 INFO 332	3.0
CCI/MATH Selectives	3.0 SOC 101	3.0 PBHL 215	3.0 Free Electives	3.0
Public Health Selectives	3.0 Public Health Selectives	3.0 PBHL 335	3.0 Public Health Selectives	3.0
Science Selectives	3.0 Science Selectives	3.0 Science Selectives	3.0 Science Selectives	6.0
	16	16	15	16

Third Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
INFO 250	3.0 INFO 371	3.0 COOP EXPERIENCE	COOP EXPERIENCE	
PBHL 400	4.0 PBHL 453	3.0		
PBHL 459	3.0 Free Electives	3.0		
Free Electives	6.0 Science Selectives	3.0		
	Social Science/Arts and Humanities Selectives	3.0		
	16	15	0	0

Fourth Year

Fall	Credits Winter	Credits Spring	Credits
PBHL 340	3.0 Free Electives	9.0 PBHL 495	3.0
PBHL 401	0.0 CCI/MATH Selectives	3.0 Free Electives	6.0
CCI/MATH Selectives	3.0	Social Science/Arts and Humanities Selectives	3.0
Free Electives	3.0		
Social Science/Arts and Humanities Selectives	6.0		
	15	12	12

Total Credits 180

* Students who take the BIO 107 and BIO 108 sequence will take 41.0 free elective credits.

** Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Public Health BS

Major: Public Health

Degree Awarded: Bachelor of Science (BS)

Calendar Type: Quarter

Minimum Required Credits: 181.0

Co-op Options: One Co-op (Four years)

Classification of Instructional Programs (CIP) code: 51.2201

Standard Occupational Classification (SOC) code: 11-9111

About the Program

Public health is the science of protecting and improving the health and well-being of communities. Where some healthcare professionals focus on treating individuals after they become sick or injured, public health professionals are concerned with the health of entire populations, attempting to prevent problems from occurring or recurring through education, policy development, advocacy, service, and research.

Reflecting the interdisciplinary approach of the Dornsife School of Public Health (<https://drexel.edu/dornsife/>), students in the major will take courses originating from the various public health core disciplines which include epidemiology, community health and prevention, environmental and occupational health, and health management and policy. The diversity in course offerings provides students with the general foundation of each discipline within public health. Student learning is enhanced by faculty expertise from a wide array of backgrounds including epidemiology, community health, global health, sociology, psychology, medicine, health policy, health economics, industrial hygiene, and anthropology, in addition to many more. As students progress through the major, they will gain more breadth and depth in the specific discipline of their choosing through the co-op experience, as well as the capstone courses in their senior year.

The Dornsife School of Public Health is dedicated to the integration of social justice and human rights in academic public health and being a model for interdisciplinary collaboration and civic engagement. Additionally, a commitment to global engagement is core to the School's mission. The Global Public Health Initiative was created to provide opportunities for all public health students to gain rich and meaningful experiences working on health issues that transcend national boundaries or that may be influenced by circumstances or experiences in other countries.

Upon completion of the degree, students will be better equipped to complete graduate education in public health or health sciences. Students will have acquired skills that could be translated into the workplace (city, state, or local government, nonprofit, etc.) or other post-baccalaureate educational settings such as an MPH, JD, or MD.

Public Health Foundational Domains

- The concepts and applications of basic statistics
- The foundations of biological and life sciences
- The history and philosophy of public health as well as its core values, concepts, and functions across the globe and in society
- The basic concepts, methods, and tools of public health data collection, use, and analysis and why evidence-based approaches are an essential part of public health practice
- The concepts of population health, and the basic processes, approaches and interventions that identify and address the major health-related needs and concerns of populations
- The underlying science of human health and disease, including opportunities for promoting and protecting health across the life course
- The socioeconomic, behavioral, biological, environmental, and other factors that impact human health and contribute to health disparities
- The fundamental concepts and features of project implementation, including planning, assessment, and evaluation
- The fundamental characteristics and organizational structures of the U.S. health system as well as the differences between systems in other countries
- Basic concepts of legal, ethical, economic, and regulatory dimensions of health care and public health policy and the roles, influences, and responsibilities of the different agencies and branches of government
- Basic concepts of public health-specific communication, including technical and professional writing and the use of mass media and electronic technology

Additional Information

For more information about this program, please contact:

DSPH Academic Advising Team
Office of Education
dsphadvising@drexel.edu

Additional information can be found on the Dornsife School of Public Health website, including admissions criteria and how to apply. (<https://drexel.edu/dornsife/admissions/overview/>)

Degree Requirements

General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COM 230	Techniques of Speaking	3.0
COM 320 [WI]	Science Writing	3.0
COOP 101	Career Management and Professional Development	1.0
ENGL 101 or ENGL 111	Composition and Rhetoric I: Inquiry and Exploratory Research English Composition I	3.0
ENGL 102	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	3.0

or ENGL 112	English Composition II	
ENGL 103	Composition and Rhetoric III: Themes and Genres	3.0
or ENGL 113	English Composition III	
PBHL 101	Public Health 101	3.0
UNIV PH101	The Drexel Experience	1.0
Students must select one of the following math sequences:		12.0
MATH 101 & MATH 102 & MATH 239	Introduction to Analysis I and Introduction to Analysis II and Mathematics for the Life Sciences	
Or		
MATH 121 & MATH 122 & MATH 123	Calculus I and Calculus II and Calculus III	
Physical and Life Sciences Requirements **		16.0
Students must select one of the following biology sequences:		
BIO 107 & BIO 108 & BIO 109 & BIO 110	Cells, Genetics & Physiology and Cells, Genetics and Physiology Laboratory and Biological Diversity, Ecology & Evolution and Biological Diversity, Ecology and Evolution Laboratory	
Or		
BIO 131 & BIO 134 & BIO 132 & BIO 135 & BIO 133 & BIO 136	Cells and Biomolecules and Cells and Biomolecules Lab and Genetics and Evolution and Genetics and Evolution Lab and Physiology and Ecology and Anatomy and Ecology Lab	
Students must select one of the following chemistry sequences:		
CHEM 111 & CHEM 112	General Chemistry I and General Chemistry II	
Or		
CHEM 101 & CHEM 102	General Chemistry I and General Chemistry II	
Social Science Requirements		
PSY 101	General Psychology I	3.0
SOC 101	Introduction to Sociology	3.0
Social Science Electives		37.0
ANTH 240	Urban Anthropology	
ANTH 250	Anthropology of Immigration	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
ECON 240	Economics of Health Care Systems	
ENSS 244	Sociology of the Environment	
ENVE 455	Geographic Information Systems	
ENVS 341	Equatorial Guinea: Society & Environment	
HIST 222	History of Work & Workers in America	
HRMT 323	Principles of Human Resource Administration	
HSAD 210	Health-Care Ethics I	
MIS 200	Management Information Systems	
ORGB 300 [WI]	Organizational Behavior	
PBHL 305	Women and Children: Health & Society	
PBHL 307	Injury Prevention and Control	
PBHL 310	Burden of Disease	
PBHL 316	Drugs, Society, and Public Health	
PBHL 318	Violence and Trauma in Public Health	
PBHL 333	Health Inequality	
PHIL 321	Biomedical Ethics	
PSCI 353	International Human Rights	
PSY 120	Developmental Psychology	
PSY 240 [WI]	Abnormal Psychology	
PSY 250 [WI]	Industrial Psychology	
PSY 368	Psychology - Inequity & Injustice	
SOC 115	Social Problems	
SOC 210	Race, Ethnicity and Social Inequality	
SOC 235	Sociology of Health and Illness	

WGST 275	Women's Health and Human Rights	
Public Health Core Course Requirements		
PBHL 301	Epidemiology in Public Health	3.0
PBHL 302	Introduction to the History of Public Health	3.0
PBHL 303	Overview of Issues in Global Health	3.0
PBHL 304	Introduction to Health & Human Rights	3.0
PBHL 308	The U.S. Public Health System	3.0
PBHL 314	Environmental and Occupational Health	3.0
Interdisciplinary Public Health Requirements		
Select one PBHL course from each PH Department below:		12.0
Community Health & Prevention: PBHL 305, PBHL 306, PBHL 309, PBHL 313, PBHL 316, or PBHL 422		
Environmental & Occupational Health: PBHL 307, PBHL 317, PBHL 319, PBHL 350, PBHL 457, or PBHL 458		
Epidemiology: PBHL 310, PBHL 311, PBHL 312, or PBHL 321		
Health Management & Policy: PBHL 315, PBHL 318, or PBHL 333		
Select 12.0 additional PH course credits (PBHL 102-494)		12.0
Public Health Capstone Experience		
PBHL 497	Capstone Experience I	2.0
PBHL 498 [WI]	Capstone Experience II	3.0
PBHL 499 [WI]	Capstone Experience III	3.0
Free Electives		39.0
Total Credits		181.0

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

** Please note that students who take the BIO 131 & BIO 134, BIO 132 & BIO 135, and BIO 133 & BIO 136 sequence will be required to take fewer free electives.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/>). (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/>) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4 year, 1 co-op

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BIO 107	3.0 BIO 109	3.0 ENGL 103 or 113	3.0 VACATION	
BIO 108	1.0 BIO 110	1.0 MATH 239 or 123	4.0	
ENGL 101	3.0 CIVC 101	1.0 SOC 101	3.0	
MATH 101	4.0 ENGL 102 or 112	3.0 Free electives	6.0	
PBHL 101	3.0 MATH 102 or 122	4.0		
UNIV PH101	1.0 PSY 101	3.0		
	15	15	16	0
Second Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CHEM 111	4.0 CHEM 112	4.0 COM 230	3.0 COOP 101*	1.0
PBHL 303	3.0 PBHL 301	3.0 PBHL 304	3.0 Free elective	3.0

Interdisciplinary Public Health requirement	3.0 PBHL 302	3.0 PBHL 314	3.0 Interdisciplinary Public Health requirements	6.0
Social Science electives	6.0 Interdisciplinary Public Health requirements	6.0 Free electives	6.0 Social Science electives	7.0
	16	16	15	17
Third Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
PBHL 308	3.0 COM 320	3.0 COOP EXPERIENCE	COOP EXPERIENCE	
Free elective	3.0 Interdisciplinary Public Health requirement	3.0		
Interdisciplinary Public Health requirement	3.0 Social Science electives	6.0		
Social Science electives	6.0			
	15	12	0	0
Fourth Year				
Fall	Credits Winter	Credits Spring	Credits	
PBHL 497	2.0 PBHL 498	3.0 PBHL 499	3.0	
Free electives	6.0 Free electives	6.0 Free electives	9.0	
Social Science electives	6.0 Social Science electives	6.0 Interdisciplinary Public Health requirement	3.0	
	14	15	15	
Total Credits 181				

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Accelerated Public Health BS/MPH

Major: Public Health

Degree Awarded: Bachelor of Science (BS) and Master of Public Health (MPH)

Calendar Type: Quarter

Minimum Required Credits: 237.0

Co-op Options: One Co-op (Five years)

Classification of Instructional Programs (CIP) code: 51.2201

Standard Occupational Classification (SOC) code: 11-9111; 21-1091, 21-1094, 25-1071

About the Program

The Dornsife School of Public Health offers an accelerated degree option with its undergraduate BS in Public Health and Master of Public Health degrees. Participants can earn both a BS degree in Public Health and a Master of Public Health (MPH) degree in five years.

In this accelerated degree program, students participate in the undergraduate program for four full years, including one co-operative experience. After two years of undergraduate study, students begin their graduate studies in the Master of Public Health program. The third and fourth years are a mix of undergraduate and graduate courses. After the successful completion of their fourth year, students receive their BS. When students successfully complete the remainder of their graduate studies (typically one additional year/ three graduate quarters), they will receive the MPH degree.

Students must confirm their intent to continue or participate in the program with their advisor by the end of the spring term of year two. All students must also submit a formal application to apply to the graduate Master of Public Health program during their junior year.

Any student who does not meet the entrance requirements of the graduate program will be able to complete the fourth year of the Public Health undergraduate program and receive a BS degree.

Students in the Master of Public Health program complete 56.0 graduate quarter credits to meet the requirements of the master's program.

Additional Information

For more information about this program, please contact:

DSPH Academic Advising Team

Office of Education
dsphadvising@drexel.edu

Additional information can be found on the Dornsife School of Public Health website.

Degree Requirements

General Education Requirements

CIVC 101	Introduction to Civic Engagement	1.0
COM 230	Techniques of Speaking	3.0
COM 320 [WI]	Science Writing	3.0
COOP 101	Career Management and Professional Development *	1.0
ENGL 101 or ENGL 111	Composition and Rhetoric I: Inquiry and Exploratory Research English Composition I	3.0
ENGL 102 or ENGL 112	Composition and Rhetoric II: Advanced Research and Evidence-Based Writing English Composition II	3.0
ENGL 103 or ENGL 113	Composition and Rhetoric III: Themes and Genres English Composition III	3.0
PBHL 101	Public Health 101	3.0
UNIV PH101	The Drexel Experience	1.0

Students must select one of the following math sequences: 12.0

MATH 101
& MATH 102
& MATH 239

Introduction to Analysis I
and Introduction to Analysis II
and Mathematics for the Life Sciences

Or

MATH 121
& MATH 122
& MATH 123

Calculus I
and Calculus II
and Calculus III

Physical and Life Sciences Requirements ** 16.0

Students must select one of the following biology sequences:

BIO 107
& BIO 108
& BIO 109
& BIO 110

Cells, Genetics & Physiology
and Cells, Genetics and Physiology Laboratory
and Biological Diversity, Ecology & Evolution
and Biological Diversity, Ecology and Evolution Laboratory

Or

BIO 131
& BIO 134
& BIO 132
& BIO 135
& BIO 133
& BIO 136

Cells and Biomolecules
and Cells and Biomolecules Lab
and Genetics and Evolution
and Genetics and Evolution Lab
and Physiology and Ecology
and Anatomy and Ecology Lab

Students must select one of the following chemistry sequences:

CHEM 111
& CHEM 112

General Chemistry I
and General Chemistry II

Or

CHEM 101
& CHEM 102

General Chemistry I
and General Chemistry II

Social Science Requirements

PSY 101	General Psychology I	3.0
SOC 101	Introduction to Sociology	3.0

Social Science Electives 37.0

ANTH 240	Urban Anthropology
ANTH 250	Anthropology of Immigration
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
ECON 240	Economics of Health Care Systems
ENVS 341	Equatorial Guinea: Society & Environment
ENVE 455	Geographic Information Systems
ENSS 244	Sociology of the Environment
HIST 222	History of Work & Workers in America
HRMT 323	Principles of Human Resource Administration
HSAD 210	Health-Care Ethics I
MIS 200	Management Information Systems
ORGB 300 [WI]	Organizational Behavior
PBHL 305	Women and Children: Health & Society

PBHL 307	Injury Prevention and Control	
PBHL 310	Burden of Disease	
PBHL 316	Drugs, Society, and Public Health	
PBHL 318	Violence and Trauma in Public Health	
PBHL 333	Health Inequality	
PHIL 321	Biomedical Ethics	
PSCI 353	International Human Rights	
PSY 120	Developmental Psychology	
PSY 240 [W]	Abnormal Psychology	
PSY 250 [W]	Industrial Psychology	
PSY 368	Psychology - Inequity & Injustice	
SOC 115	Social Problems	
SOC 210	Race, Ethnicity and Social Inequality	
SOC 235	Sociology of Health and Illness	
WGST 275	Women's Health and Human Rights	
Public Health Core Course Requirements		
PBHL 301	Epidemiology in Public Health	3.0
PBHL 302	Introduction to the History of Public Health	3.0
PBHL 303	Overview of Issues in Global Health	3.0
PBHL 304	Introduction to Health & Human Rights	3.0
PBHL 308	The U.S. Public Health System	3.0
PBHL 314	Environmental and Occupational Health	3.0
Interdisciplinary Public Health Requirements		
Select one PBHL course from each PH Department below:		12.0
Community Health & Prevention: PBHL 305, PBHL 306, PBHL 309, PBHL 313, PBHL 316, or PBHL 422		
Environmental & Occupational Health: PBHL 307, PBHL 317, PBHL 319, PBHL 350, PBHL 457, or PBHL 458		
Epidemiology: PBHL 310, PBHL 311, PBHL 312, or PBHL 321		
Health Management & Policy: PBHL 315, PBHL 318, or PBHL 333		
Select 12.0 additional PH course credits (PBHL 102-494)		12.0
Public Health Capstone Experience		
PBHL 497	Capstone Experience I	2.0
PBHL 498 [W]	Capstone Experience II	3.0
PBHL 499 [W]	Capstone Experience III	3.0
Free Electives		39.0
MPH Core Requirements		
BST 571	Introduction to Biostatistics	3.0
EPI 570	Introduction to Epidemiology	3.0
HMP 505	Qualitative Data and Mixed Methods Analysis	3.0
PBHL 510	Public Health Foundations and Systems I	4.0
PBHL 511	Public Health Foundations and Systems II	4.0
Applied Practical Experience		
PBHL 500	Practical Experience for the Master of Public Health	0.0
MPH Major Courses, Integrative Learning Experience, and Electives/Graduate Minor ***		39.0
Total Credits		237.0

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

** Please note that students who take the BIO 131 & BIO 134, BIO 132 & BIO 135, and BIO 133 & BIO 136 sequence will be required to take fewer free electives

*** Students will follow the required curriculum of their chosen MPH major.

Writing-Intensive Course Requirements

In order to graduate, all students must pass three writing-intensive courses after their freshman year. Two writing-intensive courses must be in a student's major. The third can be in any discipline. Students are advised to take one writing-intensive class each year, beginning with the sophomore year, and to avoid "clustering" these courses near the end of their matriculation. Transfer students need to meet with an academic advisor to review the number of writing-intensive courses required to graduate.

A "WI" next to a course in this catalog may indicate that this course can fulfill a writing-intensive requirement. For the most up-to-date list of writing-intensive courses being offered, students should check the Writing Intensive Course List (<https://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/faculty-programs/#writing-intensive-list>) at the University Writing Program (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/>). (<http://drexel.edu/coas/academics/departments-centers/english-philosophy/university-writing-program/drexel-writing-center/>) Students scheduling their courses can also conduct a search for courses with the attribute "WI" to bring up a list of all writing-intensive courses available that term.

Sample Plan of Study

4+1, 1 co-op (Accelerated program completed in 5 years)

Students complete undergraduate requirements in four years, then convert to graduate status in the fifth and final year.

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BIO 107	3.0 BIO 109	3.0 ENGL 103 or 113	3.0 VACATION	
BIO 108	1.0 BIO 110	1.0 MATH 239	4.0	
ENGL 101 or 111	3.0 CIVC 101	1.0 SOC 101	3.0	
MATH 101 or 121	4.0 ENGL 102 or 112	3.0 (UG) Free electives	6.0	
PBHL 101	3.0 MATH 102 or 122	4.0		
UNIV PH101	1.0 PSY 101	3.0		
	15	15	16	0

Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CHEM 111	4.0 CHEM 112	4.0 COM 230	3.0 COOP 101 [*]	1.0
PBHL 303	3.0 PBHL 301	3.0 PBHL 314	3.0 (UG) Free elective	3.0
PBHL 304	3.0 PBHL 302	3.0 (UG) Free elective	3.0 (UG) Interdisciplinary Public Health Requirements	6.0
(UG) Free electives	6.0 (UG) Free elective	3.0 (UG) Interdisciplinary Public Health Requirements	6.0 (UG) Social Science electives	6.0
(UG) Social Science electives	3.0 (UG) Interdisciplinary Public Health Requirement	3.0 (UG) Social Science elective	3.0	
	19	16	18	16

Third Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
PBHL 308	3.0 COM 320	3.0 COOP EXPERIENCE	COOP EXPERIENCE	
(UG) Free elective	3.0 (UG) Free elective	3.0 HMP 505	3.0	
(UG) Interdisciplinary Public Health Requirement	3.0 (UG) Interdisciplinary Public Health Requirement	3.0		
(UG) Social Science electives	6.0 (UG) Social Science electives	6.0		
EPI 570	3.0 BST 571	3.0		
	18	18	3	0

Fourth Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
PBHL 497	2.0 PBHL 498	3.0 PBHL 499	3.0 BS Degree Awarded	
(UG) Free elective	3.0 (UG) Free elective	3.0 (UG) Free electives	6.0 Student classified as Graduate Student	
(UG) Social Science elective	7.0 (UG) Social Science electives	6.0 (UG) Interdisciplinary Public Health Requirement	3.0 PBHL 500	0.0
PBHL 510	4.0 PBHL 511	4.0 (GR) MPH Major Courses, Electives/ Graduate Minor	6.0	
	16	16	18	0

Fifth Year

Fall	Credits Winter	Credits Spring	Credits
(GR) MPH Major Courses, Integrative Learning Experience, and Electives/Graduate Minor	12.0 (GR) MPH Major Courses, Integrative Learning Experience, and Electives/Graduate Minor	12.0 (GR) MPH Major Courses, Integrative Learning Experience, and Electives/Graduate Minor	9.0
	12	12	9

Total Credits 237

* Co-op cycles may vary. Students are assigned a co-op cycle (fall/winter, spring/summer, summer-only) based on their co-op program (4-year, 5-year) and major.

COOP 101 registration is determined by the co-op cycle assigned and may be scheduled in a different term. Select students may be eligible to take COOP 001 in place of COOP 101.

Minor in Environmental Public Health

About the Minor

The minor in Environmental Public Health is designed to deepen students' understanding of complex environmental and occupational issues from a population health perspective. Courses examine key global environmental and occupational health topics such as urban health, green space, safe drinking water, injury prevention, worker safety, climate change, and risk communication. Upon completion of the minor, students will have a strong grasp on environmental public health challenges facing society and will be prepared for a career in the field or for advanced study.

Admission Requirements

- Undergraduate students with at least 30.0 credits
- Students cannot pursue a major and a minor in the same field of study
- PBHL 101 is a prerequisite for this minor

Program Requirements

Required Courses *

PBHL 307	Injury Prevention and Control	3.0
PBHL 314	Environmental and Occupational Health	3.0
PBHL 317	The World's Water	3.0
PBHL 350	Introduction to Urban Health	3.0

Elective Choices **

12.0

Choose 4 classes from the following courses:

PBHL 301	Epidemiology in Public Health
PBHL 302	Introduction to the History of Public Health
PBHL 303	Overview of Issues in Global Health
PBHL 309	Public Health Ethics
PBHL 311	Public Health Biology
PBHL 312	Public Health Data Analysis
PBHL 313	The Social Determinants of Health and Well-Being
PBHL 319	Nature Prescription: Trees, Green Space, and Your Health
PBHL 321	Disease Outbreak Investigations
PBHL 332	Autism as a Public Health Challenge
PBHL 333	Health Inequality

Total Credits

24.0

* PBHL 101 is a prerequisite for this minor.

** Additional classes can count towards the elective requirement with program approval.

Additional Information

For more information about this minor, please contact:

DSPH Academic Advising Team
Office of Education
dsphadvising@drexel.edu

Additional information can be found on the Dornsife School of Public Health (<https://drexel.edu/dornsife/academics/degrees/undergraduate-public-health-program/public-health-minors/>) website.

Minor in Epidemiology

About the Minor

Never before has disease prevention and health promotion been more important, as evidenced by the COVID-19 pandemic. The minor in Epidemiology provides students foundational knowledge of the distribution and determinants of diseases—a growing field essential for public health. Students develop basic skills in epidemiology and biostatistics and apply those skills to specific topic-based courses, such as Burden of Disease, Disease Outbreak, and Public Health Biology. This is a valuable minor for students majoring in any of the pre-health tracks or other science-related majors.

Admission Requirements

- Undergraduate students with at least 30.0 credits
- Students cannot pursue a major and a minor in the same field of study

Program Requirements

Required Courses

PBHL 101	Public Health 101	3.0
PBHL 301	Epidemiology in Public Health	3.0
PBHL 310	Burden of Disease	3.0
PBHL 311	Public Health Biology	3.0
PBHL 312	Public Health Data Analysis	3.0
PBHL 321	Disease Outbreak Investigations	3.0

Elective Courses (PBHL 102-499)

6.0

Total Credits

24.0

Additional Information

For more information about this minor, please contact:

DSPH Academic Advising Team
Office of Education
dsphadvising@drexel.edu

Additional information can be found on the Dornsife School of Public Health (<https://drexel.edu/dornsife/academics/degrees/undergraduate-public-health-program/public-health-minors/>) website.

Minor in Global Public Health

About the Minor

The Global Public Health minor provides students with basic knowledge about global public health, as well as the necessary skills and experience to begin to build their own unique global public health career.

The minor is designed around three specific educational objectives for students: to learn more about the problems of global public health in a classroom setting, to experience the issues in global health firsthand in a field setting, and to be exposed to the variety of careers available in global public health by working with faculty, professional staff, and graduate students who are currently engaged in the field.

Admissions Requirements

- Undergraduate students with at least 30.0 credits
- Students cannot pursue a major and a minor in the same field of study
- PBHL 101 is a prerequisite for this minor.

It is strongly suggested that students in this minor participate in a field experience which can include an elective course or co-op.

Program Requirements

Required courses: *

PBHL 301	Epidemiology in Public Health	3.0
PBHL 303	Overview of Issues in Global Health	3.0
PBHL 304	Introduction to Health & Human Rights	3.0
PBHL 317	The World's Water	3.0

Elective courses (take 12.0 credits of the following):

12.0

ECON 342	Economic Development
PBHL 320	Exploring the HIV/AIDS Pandemic
PBHL 321	Disease Outbreak Investigations
PHIL 335	Global Ethical Issues
WGST 225	Women & Human Rights Worldwide
WGST 240	Women and Society in a Global Context

Total Credits

24.0

* PBHL 101 is a prerequisite for this minor.

Additional Information

For more information about this minor, please contact:

DSPH Academic Advising Team
Office of Education
dsphadvising@drexel.edu

Additional information can be found on the Dornsife School of Public Health (<https://drexel.edu/dornsife/academics/degrees/undergraduate-public-health-program/public-health-minors/>) website.

Minor in Health and Social Justice

About the Minor

The minor in Health and Social Justice is a collaborative minor between Community Health and Prevention and Health Management and Policy within the Dornsife School of Public Health. Students interested in the minor examine how social justice and human rights are impacted by the social determinants of health and vice versa. Students also gain an understanding of biases and inequality within healthcare systems and how it ultimately impacts the population.

Admission Requirements

- Undergraduate students with at least 30.0 credits
- Students cannot pursue a major and a minor in the same field of study
- PBHL 101 is a prerequisite for this minor.

Program Requirements

Required Courses *

PBHL 306	Introduction to Community Health	3.0
PBHL 308	The U.S. Public Health System	3.0
PBHL 309	Public Health Ethics	3.0
PBHL 313	The Social Determinants of Health and Well-Being	3.0
PBHL 315	Public Health Leadership	3.0
PBHL 333	Health Inequality	3.0

Electives (PBHL 102-499)		6.0
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Total Credits		24.0
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* PBHL 101 is a prerequisite for this minor.

Additional Information

For more information about this minor, please contact:

DSPH Academic Advising Team
Office of Education
dsphadvising@drexel.edu

Additional information can be found on the Dornsife School of Public Health (<https://drexel.edu/dornsife/academics/degrees/undergraduate-public-health-program/public-health-minors/>) website.

Minor in Health Data Analytics

About the Minor

The Dornsife School of Public Health trains new leaders to tackle society's current and future health challenges. The minor in Health Data Analytics prepares students to apply quantitative methods to a variety of real-world data analysis problems. Through their coursework, students will learn statistical analysis and computational skills necessary to handle complex data problems. Computing, data visualization, and scientific communication skills will be emphasized throughout the required courses, providing students with tools to serve as essential team members in a variety of data-driven research and industry settings.

This minor will be a relevant course of study for students pursuing majors in public health, pre-med, biomedical engineering, biological sciences, health sciences, business analytics, environmental science, and data science, as well as other data-driven scientific fields.

Admission Requirements

- Undergraduate students with at least 30.0 credits
- Students cannot pursue a major and a minor in the same field of study

Program Requirements

Required Courses

PBHL 210	Biostatistics I *	3.0-4.0
or PBHL 312	Public Health Data Analysis	
PBHL 211	Biostatistics II	3.0
PBHL 335	Applied Quantitative Research Methods	3.0
PBHL 340	Advanced Biostatistical Analysis	3.0
Electives **		12.0
PBHL 215	Introduction to Clinical Research	
PBHL 301	Epidemiology in Public Health	
PBHL 308	The U.S. Public Health System	
PBHL 310	Burden of Disease	
PBHL 311	Public Health Biology	
PBHL 313	The Social Determinants of Health and Well-Being	
PBHL 314	Environmental and Occupational Health	
PBHL 453	Longitudinal Data Analysis	
PBHL 455	Introduction to Statistical Computing	
PBHL 459	Survival Data Analysis	

Total Credits

24.0-25.0

* PBHL 210 is a 4-credit course and PBHL 312 is a 3-credit course. Students who complete PBHL 210 will take 25 credits to complete the minor. Students who complete PBHL 312 will take 24 credits to complete the minor.

** Note: Some electives have prerequisites, which can be found in the catalog. Additional courses may count towards the elective requirement with minor director approval.

Minor in Public Health

About the Minor

The Dornsife School of Public Health trains new leaders to tackle society's current and future health challenges. The Public Health minor is designed to provide students with a broad overview of the field's diversity. Reflecting the interdisciplinary approach of the School, students are required to take courses originating from various public health core disciplines, which include epidemiology; community health and prevention, environmental and occupational health, and health management and policy.

This minor will be a relevant course of study for students pursuing pre-med, pre-law, biology, and business curricula, as well as students interested in population-based applications of psychology, sociology, and communications theory. Completion of the minor will provide students with an exposure to the breadth and depth of topics within public health and population-level challenges and solutions, as well as possible career options.

Admission Requirements

- Undergraduate students with at least 30.0 credits
- Students cannot pursue a major and a minor in the same field of study
- PBHL 101 is a prerequisite for this minor

Program Requirements

Required Courses *

PBHL 301	Epidemiology in Public Health	3.0
PBHL 302	Introduction to the History of Public Health	3.0
PBHL 303	Overview of Issues in Global Health	3.0
PBHL 304	Introduction to Health & Human Rights	3.0

Elective Choices

Complete 12.0 credits from the following courses:

12.0

BIO 318	Biology of Cancer	
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