



DREXEL UNIVERSITY

Dornsife

School of Public Health

CATALOG

2022-2023

GRADUATE



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The Dornsife School of Public Health

About the School

The Dornsife School of Public Health 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. Our School 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 our School 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 the Drexel University School of Public Health 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. The SPH 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

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Quarter Calendars 2021 - 2023

Certificates, MPH, Executive MPH, Online MPH, MS, DrPh, PhD, 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. Urban Health Collaborative. 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.

Scarlett Bellamy, ScD (*Harvard University*) Associate Dean for Diversity and Inclusion. Professor. Department of Epidemiology and Biostatistics. Clinical trials; data analysis methods; health disparities; infectious disease; mental health and behavioral health; reproductive or sexual health.

Zekarias Berhane, PhD (*University of Pittsburgh*). Assistant Research 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*). 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-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*). Clinical 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, *Department of Community Health and Prevention*. Associate Professor. Department of Community Health and Prevention. Urban Health Collaborative. 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*. Associate Research 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*). Associate 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 and 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 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 Eberth, PhD (*University of Texas Health Science Center*) Chair, *Department of Health Management and Policy*. Professor. Cancer prevention, health equity, health policy, health services research, spatial analysis and GIS.

Nancy Epstein, MPH, MAHL (*University of North Carolina at Chapel Hill*). Teaching 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.

Alison A. Evans, ScD (*Harvard University*). Associate Professor. Department of Epidemiology and Biostatistics. . Cancer; data analysis methods; immigrant health; infectious disease; maternal and child health; reproductive or sexual health.

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. 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 Goldstein, PhD, MBI (*Drexel University*). Assistant Research 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 J. 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 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.

Mary Hovinga, PhD, MPH (*University of Michigan*). Associate Professor. Department of Epidemiology and Biostatistics. Cancer; environmental exposures; maternal and child health.

Tran Huynh, PhD, MPH, CIH (*University of Minnesota*). Assistant Professor. Department of Environmental and Occupational Health. Community engaged research; cardiovascular disease; statistical modeling; immigrant health; health disparities; occupational health; workplace health interventions; industrial hygiene; Bayesian statistics; exposure assessment; epidemiology.

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. 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 for Public Health Practice and External Relations. Director, Center for Public Health

Practice. Clinical Professor. Department of Health Management and Policy. Urban Health Collaborative. Access to care; health equity, health policy; public health practice; urban health.

Shiriki 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; ethnic disparities in obesity in the US and other high-income countries; "culture of health" approaches in black communities; assessment of food environments; environmental influences on lifestyle changes; targeted marketing of unhealthy foods and beverages; food and nutrition policy; evidence-based public health; social determinants of health and health equity; systems science applications in public health.

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

Stephen Lankenau, PhD (*University of Maryland*) *Associate Dean for Research*. Professor. Department of Community Health and Prevention. Mental health and behavioral health; substance use; urban health.

Jourdyn A. Lawrence, PhD, MSPH (*Harvard University*). Associate 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. Urban Health Collaborative. 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; 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 for Education*. 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. Urban Health Collaborative. Cardiovascular disease; community based participatory research health and place or built environment; health disparities; immigrant health; life course; mental health and behavioral health; urban health

Ana Martinez-Donate, PhD (*Universidad Autonoma 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 McClure, PhD, MS (*University of Michigan*) *Chair, Associate Dean for 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.

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.

Alex Ortega, PhD (*University of Michigan*) *Director, Center for Population Health and Community Impact*. Professor. Department of Health Management and Policy. Latino health; immigrant health; health disparities; health services research; health policy.

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.

Harrison Quick, PhD (*University of Minnesota*). Assistant Professor. Department of Epidemiology and Biostatistics. Occupational health; spatial analysis or GIS; statistical modeling; urban health; Bayesian inference; data confidentiality.

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.

Lucy Robinson, PhD (*Columbia University*). Assistant 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 Research Professor. Department of Health Management and Policy. Urban Health Collaborative. 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*). 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.

Suruchi Sood, PhD (*University of New Mexico*). Associate Professor. Department of Community Health and Prevention. Global health or international health; health communication; maternal and child health; community based participatory research; community engaged research data analysis methods; nutrition; public health practice; reproductive or sexual health; violence and trauma; adolescent health; process evaluation (monitoring); program evaluation.

Mark Stehr, PhD (*University of California at Berkeley*) Director, School of Economics. Professor. Department of Health Management and Policy. Drexel University LeBow College of Business. Health policy; health economics; data analysis methods.

Jim Stimpson, PhD (*University of Nebraska*). Professor. Department of Health Management and Policy. Cancer; immigrant health; health and place or built environment; health services research; health disparities; health policy; urban health.

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 Teaching Professor. Department of Epidemiology and Biostatistics. Cancer; health disparities; infectious diseases.

Brisa Sánchez, PhD (*Harvard University*). 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 (*Johns Hopkins University*). Clinical 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. Health inequities; Latinx health; immigrant health; U.S.-Mexico border health; migration and health; maternal and child health; alcohol and substance misuse; behavioral health; sexual and reproductive health; adolescent health; community based participatory research; youth participatory action research; community-engaged research methods; experiential learning and service learning.

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.

Seth Welles, PhD, ScD (*Harvard University*). Professor. Department of Epidemiology and Biostatistics. Cancer; clinical trials; community engaged research data analysis methods; global health or international health; health disparities; infectious disease; mental health and behavioral health; reproductive or sexual health; statistical modeling; substance use; violence and trauma.

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*) Senior Vice Provost for Community Health and Chief Wellness Officer. Dean Emerita. Professor. Health care administration and management; health care policy; infectious disease; public health practice; health disparities.

Raymond Lum, MS (*University of Pennsylvania*). Associate Teaching Professor. 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 Emeritus. 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.

Biostatistics

Major: Biostatistics

Degree Awarded: Master of Science (MS)

Calendar Type: Quarter

Minimum Required Credits: 48.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 26.1102

Standard Occupational Classification (SOC) code: 11-9121; 15-2041

About the Program

Students in the Master of Science in Biostatistics program gain the skills necessary to apply statistical, mathematical, and computational techniques to scientific research in health-related fields, including medicine, epidemiology, and public health. Biostatistics is an integral and indispensable tool in improving health and reducing illness. Biostatisticians play essential roles in designing studies and analyzing research data. Graduates are employed in public health research and service organizations, university research groups, hospitals, pharmaceutical companies, health-related industries, and government. The demand for biostatisticians in the job market has been consistently strong. New technologies are generating an unprecedented amount of data which present exciting opportunities for biostatisticians with strong computational skills.

The program provides students with a thorough understanding of biostatistical methods, strong computational skills, and the ability to apply this knowledge to research focusing on health-related problems. The program prepares students to handle the quantitative and computational aspects of a research project including study design, data collection and management, developing analysis plans, conducting analyses, and reporting findings both orally and in writing. Coursework includes statistical theory and methods, computing and data management, epidemiology, and general public health topics. Incorporated into the second year is a two quarter-long practicum experience working on a real academic, government, or industry project in a sponsoring organization setting. The practicum-based research project will involve the application of biostatistical analysis to a problem of significance to the sponsoring academic, government, or industry organization with joint oversight provided by a department faculty member and an on-site PhD-level biostatistician.

Major Competencies

- Apply appropriate quantitative methods to evaluate the determinants and epidemiology of health and disease
- Manage and maintain analytic datasets
- Execute a data analysis plan
- Communicate statistical findings effectively and succinctly using data visualization tools and appropriate summaries
- Work collaboratively with researchers in public health, medicine, and other health science disciplines

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

Required Biostatistics Courses

BST 551	Statistical Inference I	3.0
BST 553	Longitudinal Data Analysis	3.0
BST 555	Introduction to Statistical Computing	3.0
BST 557	Survival Data Analysis	3.0
BST 567	Statistical Consulting	3.0
BST 569	Linear Statistical Models	4.0
BST 570	Generalized Linear Models	4.0
BST 675	Statistical Consulting Lab	1.0
BST 701	Advanced Statistical Computing	3.0

Required Epidemiology Course

EPI 570	Introduction to Epidemiology	3.0
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Other Required Courses

BST 699	Data Analysis Project	6.0
MATH 510	Applied Probability and Statistics I	3.0
PBHL 501	Introduction to Public Health *	0.0

Electives (BST 500-999 or EPI 500-999)		9.0
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Total Credits		48.0
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* Foundational Public Health Learning Objectives: PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

Sample Plan of Study

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 555	3.0 BST 551	3.0 BST 701	3.0 VACATION	
BST 569	4.0 BST 570	4.0 Electives	6.0	
MATH 510	3.0 EPI 570	3.0		
	10	10	9	0

Second Year

Fall	Credits Winter	Credits
BST 557	3.0 BST 553	3.0
BST 567	3.0 BST 699	3.0
BST 675	1.0 Electives	3.0
BST 699	3.0	
PBHL 501*	0.0	
	10	9

Total Credits 48

* PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

Biostatistics PhD

Major: Biostatistics

Degree Awarded: Doctor of Philosophy (PhD)

Calendar Type: Quarter

Minimum Required Credits: 90.0 (post-bachelor's) or 57.0 (post-master's)

Co-op Option: None

Classification of Instructional Programs (CIP) code: 26.1102

Standard Occupational Classification (SOC) code: 15-2041

About the Program

The Doctor of Philosophy in Biostatistics trains highly functional statistical researchers with the breadth of knowledge to contribute to many applied domains or to specialize in a single theoretical domain. Students will receive a strong, quantitative foundational core in statistical theory while simultaneously having opportunities to apply these concepts to a wide range of practical applications. An important feature of the program is deliberate exposure to more contemporary quantitative concepts in data science.

The program will offer interdisciplinary instruction and research opportunities that are designed to provide a solid training in both statistical theory and in applications of biostatistical methods to a variety of relevant contexts that are central to modern interdisciplinary research. The program will prepare students for successful careers in academia (both teaching and research), government agencies, private health-related organizations/industries, and many other data-driven industries.

Students will take a comprehensive exam that requires them to synthesize coursework and demonstrate mastery of public health competencies. Students will then develop and defend a dissertation proposal and complete a dissertation of publishable quality and final defense.

Post-Baccalaureate Requirements and Post-Master's Requirements

Both post-baccalaureate and post-master's students are admitted into the doctoral program in Biostatistics.

For post-master's students in a related field, students must complete a minimum of 57.0 credits.

For post-baccalaureate students, students must complete a minimum of 90.0 credits.

Major Competencies

- Master fundamental concepts in probability and statistical theory
- Construct an analysis plan to evaluate a scientific question of interest
- Critically appraise statistical methods literature
- Communicate statistical findings effectively and succinctly using data visualization tools and appropriate summaries
- Direct quantitative methods of collaborative investigations with researchers in public health, medicine, and other health science disciplines

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

Required Courses

BST 701	Advanced Statistical Computing *	3.0
BST 751	Statistical Inference I *	3.0
BST 804	Applied Bayesian Analysis	3.0
BST 819	Statistical Machine Learning for Biostatistics	3.0
BST 823	Theory of Generalized Linear and Mixed Models	3.0
BST 825	Probability Models and Stochastic Processes	3.0
BST 826	Research Skills in Biostatistics I	1.0
BST 827	Research Skills in Biostatistics II	1.0
BST 828	Research Skills in Biostatistics III	1.0
BST 851	Statistical Inference II *	4.0
BST 867	Statistical Consulting	3.0
BST 869	Linear Statistical Models *	4.0
BST 870	Generalized Linear Models *	4.0
BST 875	Statistical Consulting Lab (taken 3 times)	3.0
MATH 510	Applied Probability and Statistics I *	3.0
EPI 570	Introduction to Epidemiology *	3.0
RCRG 600	An Introduction to the Responsible Conduct of Research	0.0
PBHL 501	Introduction to Public Health **	0.0

Dissertation

BST 999	Biostatistics Thesis Research	33.0
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Electives (Choose Two)

BST 553	Longitudinal Data Analysis	6.0
BST 557	Survival Data Analysis	
BST 561	Design & Analysis of Clinical Trials	
BST 568	Nonparametric and Semiparametric Models	
BST 622	Advanced Clinical Trials	
BST 624	Advanced Bayesian Analysis	

EPI 801	Causal Inference in Epidemiology: Theory	
MATH 610	Probability Theory I	
MATH 611	Probability Theory II	
MATH 612	Topics in Probability Theory	
Selectives (Choose two)		6.0
BST 558	Applied Multivariate Analysis	
EPI 558	Making Sense of Data	
EPI 564	Data Science Using R	
or EPI 864	Data Science Using R	
HMP 703	Introduction to GIS for Public Health	
MATH 525	Topics in Computer Simulation	
Total Credits		90.0

* Students entering the PhD program with a master's degree in a related field may be waived from these classes, as determined by the PhD Biostatistics Admissions Committee.

** Foundational Public Health Learning Objectives: PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

Sample Plan of Study

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 869	4.0 BST 751	3.0 BST 804	3.0 Written Qualifying Exam	
EPI 570	3.0 BST 825	3.0 BST 823	3.0	
MATH 510	3.0 BST 870	4.0 BST 851	4.0	
PBHL 501*	0.0			
	10	10	10	0

Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 826	1.0 BST 819	3.0 BST 701	3.0 Oral Candidacy Exam	
BST 867	3.0 BST 827	1.0 BST 828	1.0	
BST 875	1.0 BST 875	1.0 BST 875	1.0	
BST 999	3.0 RCRG 600	0.0 BST 999	3.0	
PBHL 501	0.0 Elective or Selective	3.0 Elective or Selective	3.0	
Elective or Selective	3.0 Elective or Selective	3.0		
	11	11	11	0

Third Year

Fall	Credits Winter	Credits Spring	Credits
BST 999	9.0 BST 999	9.0 BST 999	9.0
	9	9	9

Total Credits 90

* PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

Alternative Plan of Study

(Students entering the PhD program with a master's degree in a related field, as determined by the PhD Biostatistics Admissions Committee)

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 826	1.0 BST 819	3.0 BST 804	3.0 Written Qualifying Exam and Oral Candidacy Exam	
BST 867	3.0 BST 825	3.0 BST 823	3.0	
PBHL 501*	0.0 BST 827	1.0 BST 828	1.0	
Elective or Selective	3.0 Elective or Selective	3.0 Elective/Selective	3.0	
Elective or Selective	3.0			
	10	10	10	0

Second Year

Fall	Credits Winter	Credits Spring	Credits
BST 875	1.0 BST 875	1.0 BST 875	1.0
BST 999	8.0 BST 999	8.0 BST 999	8.0
	RCRG 600	0.0	
	9	9	9

Total Credits 57

* PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

Community Health and Prevention

Major: Community Health and Prevention

Degrees Awarded: Master of Public Health (MPH)

Calendar Type: Quarter

Minimum Required Credits: 56.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 51.2201

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

About the Program

Students in the Master of Public Health in Community Health and Prevention program learn about the major drivers of community health, how to improve health through meaningful partnerships with community stakeholders, and will obtain the skills to design, implement, and evaluate public health interventions. Community Health and Prevention faculty focus on a range of topics including public health ethics, the individual, social and structural determinants of health, the use of theory to understand health behavior, and the implementation and evaluation of public health interventions and policies. Students are trained in the application of mixed methods – the use of both quantitative and qualitative approaches in data collection and analysis to understand, promote, and sustain community health. Classroom and practical experiences will foster the development of practical skills relevant to obtaining a career in public health upon graduation. Graduates design, implement, manage, and evaluate health promotion programs and policies. They are leaders in health education, community organization, and advocacy efforts that promote the health of communities in domestic and global settings.

Major Competencies

- Use appropriate qualitative and quantitative mixed-methods for community-oriented research design
- Conduct community-engaged public health research and practice that recognizes intersectional perspectives from theory in response to multi-dimensional processes
- Create a community health program implementation and evaluation plan that is ethical, socially just, and culturally responsive
- Partner with communities to contextually assess health problems and propose solutions to public health issues and inequities that recognize the role of power
- Advocate for human rights-based values in public health research, practice, and policy

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 (<https://drexel.edu/dornsife/academics/degrees/mph-degree/>) website, including admissions criteria and how to apply (<https://drexel.edu/dornsife/admissions/overview/>).

Degree Requirements

Core Courses

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

Major Courses

CHP 500	Behavior and Social Change Theories	3.0
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CHP 501	Community Engagement in Public Health Practice & Research	3.0
CHP 503	Multi-Method Data Analysis in Community Health & Prevention	3.0
CHP Depth (Select Two)		6.0
CHP 560	Design and Grant Writing for Community Health Programs	
CHP 605	Outcomes and Impact Evaluation	
CHP 672	Theory and Practice in Health Communication	
CHP 673	Process Monitoring and Outcomes Evaluation for Community Health Programs	
Applied Practical Experience		
PBHL 500	Practical Experience for the Master of Public Health	0.0
Integrative Learning Experience		
CHP 750	Integrative Learning Experience in Community Health & Prevention I	3.0
CHP 751	Integrative Learning Experience in Community Health & Prevention II	3.0
Methods Elective *		3.0
Select one:		
BST 555	Introduction to Statistical Computing	
BST 557	Survival Data Analysis	
BST 558	Applied Multivariate Analysis	
BST 560	Intermediate Biostatistics I	
CHP 561	Overview of Issues in Global Health	
CHP 803	Research Methods for Community Health and Prevention	
CHP 804	Qualitative Research in Community Health	
CHP 806	Community Based Participatory Research	
CHP 808	Measuring Health	
EOH 665	Quantitative Risk Analysis for Environmental Health	
EPI 551	Epidemiology of Cancer	
EPI 553	Infectious Disease Epidemiology	
EPI 556	Perinatal Epidemiology	
EPI 560	Intermediate Epidemiology	
HMP 703	Introduction to GIS for Public Health	
HMP 820	Methods in Implementation Science	
Electives**		15.0
Total Credits		56.0

* Students can take a methods class at the master's or doctoral level from across the university. Additional classes may count with program approval. 800-level courses may require professor's permission.

** Students choose from any **BST, CHP, EOH, EPI, HMP, or PBHL** course from the 500-999 level. Students can take additional 500-level or above electives across the university as long as they meet prerequisite and restriction requirements. Students can contact their faculty mentor to discuss elective options. Students can use elective credits to further focus their academic work by completing a graduate minor.

Sample Plan of Study (MPH)

12-Month (4-Quarter) Full-Time

			Summer	Credits
			BST 571	3.0
			EPI 570	3.0
			PBHL 510	4.0
			PBHL 511	4.0
				14
First Year				
Fall	Credits Winter	Credits Spring	Credits	
CHP 500	3.0 CHP 501	3.0 CHP 503		3.0
HMP 505	3.0 CHP 750	3.0 CHP 751		3.0
PBHL 500	0.0 Depth/Method/Electives	9.0 Depth/Method/Electives		6.0
Depth/Method/Electives	9.0			
	15	15		12
Total Credits 56				

18-Month (5-Quarter) Full-Time

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 571	3.0 CHP 501	3.0 CHP 503	3.0 PBHL 500	0.0
CHP 500	3.0 EPI 570	3.0 HMP 505	3.0	
PBHL 510	4.0 PBHL 511	4.0 Depth/Methods/ Electives	6.0	
	10	10	12	0

Second Year

Fall	Credits Winter	Credits	Credits	Credits
CHP 750	3.0 CHP 751	3.0		
Depth/Methods/ Electives	9.0 Depth/Methods/ Electives	9.0		
	12	12		

Total Credits 56

21-Month (6-Quarter) Full-Time

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 571	3.0 CHP 501	3.0 CHP 503	3.0 PBHL 500	0.0
CHP 500	3.0 EPI 570	3.0 HMP 505	3.0	
PBHL 510	4.0 PBHL 511	4.0 Depth/Methods/ Electives	3.0	
	10	10	9	0

Second Year

Fall	Credits Winter	Credits Spring	Credits	Credits
Depth/Methods/ Electives	9.0 CHP 750	3.0 CHP 751	3.0	
	Depth/Methods/ Electives	6.0 Depth/Methods/ Electives	6.0	
	9	9	9	

Total Credits 56

Community Health and Prevention PhD

Major: Community Health and Prevention

Degree Awarded: Doctor of Philosophy (PhD)

Calendar Type: Quarter

Minimum Required Credits: 90.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 51.2212

Standard Occupational Classification (SOC) code: 25-1099

About the Program

The Doctor of Philosophy in Community Health and Prevention will prepare doctoral-level public health graduates who have a broad-based understanding of public health scholarship related to the social and behavioral determinants of health and illness, and the ability to conduct original research to advance this understanding to benefit the public's health. The program emphasizes the application of interdisciplinary, theoretical, and applied research paradigms to the understanding and prevention of public health problems. Graduates will be prepared to contribute and lead as public health scientists, researchers, educators, and professionals in a broad range of academic, policy, and service settings both in the United States and globally.

The program consists of both required and elective coursework, building the student's individual expertise from a wide range of scientific disciplines, methodologic frameworks, and public health challenges. The comprehensive exam requires students to synthesize coursework and demonstrate mastery of core public health competencies. Students complete a mentored research experience with faculty before developing their own dissertation proposal and completing their dissertation. Students may choose either the traditional thesis format or the three-manuscript option.

Major Competencies

- Analyze the social and behavioral determinants of health and illness at the individual, community, and societal levels, and the mechanisms required to design and evaluate interventions at all levels to improve health and address health inequity
- Develop and apply theoretical frameworks to formulate research questions relevant to the above areas of scholarship

- Use a broad range of methodological approaches to design and conduct research addressing these research questions with the highest ethical standards
- Disseminate findings to a wide range of stakeholders and engage in both scientifically rigorous and socially responsible processes to translate findings to improve the health of the public
- Develop a strong professional identity and prepare to contribute meaningfully in a career as a scientist, administrator, and/or educator, to ensure the continued impact of the social and behavioral sciences in public health

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

Required Courses

BST 560	Intermediate Biostatistics I	3.0
EPI 560	Intermediate Epidemiology	3.0
RCRG 600	An Introduction to the Responsible Conduct of Research	0.0
PBHL 501	Introduction to Public Health *	0.0

Additional Introductory Coursework, if needed **

BST 555	Introduction to Statistical Computing	
BST 571	Introduction to Biostatistics	
EPI 570	Introduction to Epidemiology	

Community Health and Prevention Courses

CHP 801	Theory & Practice of Community Health & Prevention I	3.0
CHP 802	Theory & Practice of Community Health and Prevention II	3.0
CHP 803	Research Methods for Community Health and Prevention	3.0
CHP 804	Qualitative Research in Community Health	3.0
CHP 805	Outcomes and Impact Evaluation	3.0
CHP 806	Community Based Participatory Research	3.0
CHP 807	Public Health Ethics	3.0
CHP 808	Measuring Health	3.0

Doctoral Seminar

CHP 904	Doctoral Seminar in Community Health and Prevention ***	6.0
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Dissertation

CHP 901	Dissertation Seminar I	3.0
CHP 903	Advanced Proposal Development	3.0
CHP 999	Dissertation Guidance	3.0

Electives †

Social Factors/Behavioral Sciences/Communications		12.0
CCM 703	Communication Theory II: Discourse and Semiotics	
CCM 777	Communication Network Analysis	
HMP 514	Policy Analysis for Population Health	
HMP 550	Health Disparities: Systemic, Structural, Environmental & Economic	
Biostatistics/Methodological		6.0
BST 557	Survival Data Analysis	
BST 558	Applied Multivariate Analysis	
EPI 550	Applied Survey Research in Epidemiology	
HMP 703	Introduction to GIS for Public Health	
Public Health or Topical Area		6.0
EPI 557	Cardiovascular Disease Epidemiology & Prevention	
NFS 546	World Nutrition	

Total Credits

90.0

* Foundational Public Health Learning Objectives: PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

** Students entering with prior training in Biostatistics and Epidemiology may waive these courses with consent of advisor and program director. Students without this prior background will take EPI 570 and BST 571. BST 555 may be recommended for students who choose to have formal instruction in SAS.

*** Repeated for credit six times

† In consultation with their faculty mentor, students will choose the required number of electives in each of the three areas identified above. Courses must be graduate coursework in the Department of Community Health and Prevention, other departments at Dornsife School of Public Health, or in other Schools and Colleges at Drexel. Additional courses may count with Program Director and faculty mentor approval.

Sample Plan of Study

Sample Plan - Option I

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CHP 801	3.0 CHP 802	3.0 BST 560	3.0 VACATION	
CHP 808	3.0 CHP 803	3.0 CHP 805	3.0	
CHP 904	1.0 CHP 804	3.0 CHP 806	3.0	
EPI 560	3.0 CHP 904	1.0 CHP 904	1.0	
PBHL 501*	0.0 RCRG 600	0.0		
	10	10	10	0
Second Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CHP 901	3.0 CHP 807	3.0 CHP 904	1.0 VACATION	
CHP 904	1.0 CHP 903	3.0 Electives	9.0	
Electives	6.0 CHP 904	1.0		
	Electives	3.0		
	10	10	10	0
Third Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CHP 999	6.0 CHP 999	6.0 CHP 999	9.0 VACATION	
Electives	3.0 Electives	3.0		
	9	9	9	0
Fourth Year				
Fall	Credits Winter	Credits Spring	Credits	Credits
CHP 999	1.0-9.0 CHP 999	1.0-9.0 CHP 999	1.0-9.0	
	1-9	1-9	1-9	

Total Credits 90-114

* PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

Sample Plan - Option II

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CHP 801	3.0 BST 571	3.0 BST 560	3.0 VACATION	
CHP 808	3.0 CHP 802	3.0 CHP 805	3.0	
CHP 904	1.0 CHP 803	3.0 CHP 806	3.0	
EPI 570	3.0 CHP 804	3.0 CHP 904	1.0	
PBHL 501*	0.0 CHP 904	1.0 EPI 560	3.0	
	10	13	13	0
Second Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CHP 901	3.0 CHP 807	3.0 CHP 904	1.0 VACATION	
CHP 904	1.0 CHP 903	3.0 Electives	9.0	
Electives	6.0 CHP 904	1.0		
	RCRG 600	0.0		
	Electives	3.0		
	10	10	10	0
Third Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CHP 999	6.0 CHP 999	6.0 CHP 999	9.0 VACATION	

Electives	3.0 Electives	3.0		
	9	9	9	0
Fourth Year				
Fall	Credits Winter	Credits Spring	Credits	
CHP 999	1.0-9.0 CHP 999	1.0-9.0 CHP 999	1.0-9.0	
	1-9	1-9	1-9	
Total Credits 96-120				

* PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

Environmental & Occupational Health

Major: Environmental and Occupational Health

Degree Awarded: Master of Public Health (MPH)

Calendar Type: Quarter

Minimum Required Credits: 56.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 51.2202

Standard Occupational Classification (SOC) code: 19-2041

About the Program

Students in the Master of Public Health in Environmental and Occupational Health program learn how to assess environmental and occupational exposures and understand their health consequences. Students may work alongside faculty to investigate the environmental determinants of health, such as air and water pollutants, infectious agents, and the changing climate. Students will learn how to make the built environment healthier, to promote health and prevent injuries in the workplace, to enhance air and water quality, to ensure safe food and consumer products, and to prepare for public health emergencies around the globe. Practitioners in this field apply environmental and occupational health principles to promote health and equity among populations in community and workplace settings.

Major Competencies:

- Assess pathways of human exposure to hazardous agents and stressors in the environment and workplace
- Investigate and synthesize research on hazardous agents and their impacts on human health effects, including how individual and population factors affect vulnerability
- Evaluate epidemiologic methods used in occupational and environmental research and interpret findings
- Select and apply appropriate quantitative risk assessment methods
- Recommend strategies for preventing, controlling, and managing risks from environmental and occupational hazards
- Analyze environmental and occupational health policies in relation to environmental justice, equity, and efficacy

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 (<https://drexel.edu/dornsife/academics/degrees/mph-degree/>) website including admissions criteria and how to apply (<https://drexel.edu/dornsife/admissions/overview/>).

Degree Requirements

Core Courses

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

Major Courses

EOH 510	Principles and Practice of Environmental and Occupational Health	3.0
EOH 610	Environmental and Occupational Toxicology	3.0
EOH 612	Environmental Exposure Science	3.0
EOH 615	Environmental and Occupational Health Policy	3.0

EOH 625	Occupational and Environmental Epidemiology	3.0
EOH 665	Quantitative Risk Analysis for Environmental Health	3.0
Applied Practical Experience		
PBHL 500	Practical Experience for the Master of Public Health	0.0
Integrative Learning Experience		
EOH 750	Integrative Learning Experience: Environmental and Occupational Health I	0.0
EOH 751	Integrative Learning Experience: Environmental and Occupational Health II	3.0
Electives *		18.0
Total Credits		56.0

* Students choose from any **BST, CHP, EOH, EPI, HMP, or PBHL** course from the 500-999 level. Students can take additional 500-level or above electives across the university as long as they meet prerequisite and restriction requirements. Students can contact their faculty mentor to discuss elective options. Students can use elective credits to further focus their academic work by completing a graduate minor.

Sample Plan of Study

12-Month (4 Quarter) Full-Time

	Summer	Credits
	BST 571	3.0
	EPI 570	3.0
	PBHL 510	4.0
	PBHL 511	4.0
		14

First Year

Fall	Credits Winter	Credits Spring	Credits
EOH 510	3.0 EOH 610	3.0 EOH 612	3.0
EOH 625	3.0 EOH 665	3.0 EOH 615	3.0
HMP 505	3.0 EOH 750	0.0 EOH 751	3.0
PBHL 500	0.0 Electives	9.0 Electives	3.0
Electives	6.0		
		15	12

Total Credits 56

18-Month (5 Quarter) Full-Time

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 571	3.0 EOH 610	3.0 EOH 612	3.0 PBHL 500	0.0
EOH 510	3.0 EPI 570	3.0 EOH 615	3.0	
PBHL 510	4.0 PBHL 511	4.0 HMP 505	3.0	
		Electives	3.0	
		10	10	0

Second Year

Fall	Credits Winter	Credits
EOH 625	3.0 EOH 665	3.0
EOH 750	0.0 EOH 751	3.0
Electives	9.0 Electives	6.0
		12

Total Credits 56

21-Month (6 Quarter) Full-Time

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 571	3.0 EOH 610	3.0 EOH 612	3.0 PBHL 500	0.0
EOH 510	3.0 EPI 570	3.0 EOH 615	3.0	
PBHL 510	4.0 PBHL 511	4.0 HMP 505	3.0	
		10	9	0

Second Year

Fall	Credits Winter	Credits Spring	Credits
EOH 625	3.0 EOH 665	3.0 EOH 751	3.0

Electives	6.0 EOH 750	0.0 Electives	6.0
	Electives	6.0	
	9	9	9

Total Credits 56

Environmental & Occupational Health PhD

Major: Environmental and Occupational Health

Degree Awarded: Doctor of Philosophy (PhD)

Calendar Type: Quarter

Minimum Required Credits: 90.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 51.2202

Standard Occupational Classification (SOC) code: 19-2041

About the Program

The Doctor of Philosophy in Environmental and Occupational Health (EOH) equips students with the skills to identify, examine, and respond to important environmental and occupational health challenges, and to disseminate and translate findings. Students will benefit from engagement with interdisciplinary faculty in the Department of Environmental and Occupational Health and the Dornsife School of Public Health's emphasis on urban health and social justice. Students complete core EOH classes with an opportunity to specialize in areas such as environmental epidemiology, injury prevention and control, occupational health and safety, industrial hygiene, and exposure assessment. This program trains students with the skills necessary to perform scientifically rigorous research to address pressing environmental and occupational health issues. Graduates of the program are well prepared to assume leadership roles as public health scientists, researchers, and educators.

Students will take a comprehensive exam that requires them to synthesize coursework and demonstrate mastery of public health competencies. Students will then develop and defend a dissertation proposal and complete a dissertation of publishable quality and final defense.

Post-Baccalaureate Requirements and Post-Master's Requirements

Both post-baccalaureate and post-master's students are admitted into the doctoral program in Environmental and Occupational Health.

For post-master's students in a related field, up to 45.0 credits earned toward a prior master's degree may be applied toward the PhD. Students who have previously completed required courses at Drexel University (or their approved equivalents) as part of their master's program may be waived from equivalent required courses. For non-Drexel students who have completed their master's elsewhere, all courses will be evaluated to determine equivalency to the required courses. Students may be asked to provide evidence of such material to determine equivalency.

The decision to waive or require these courses for both Drexel and non-Drexel students is done in consultation with the faculty mentor and PhD program director, with consideration of factors including time since course or degree completion, grade in course, and current comfort level with material.

For post-baccalaureate students, students must complete a minimum of 90.0 credits.

Major Competencies

- Evaluate basic principles related to environmental and occupational exposure assessment – including sources and characteristics of exposures, mechanisms, and methods for measuring and examining physical, chemical, biological, psychosocial and/or other exposures potentially related to human health.
- Analyze relationships between exposures and human health, including variation in impacts by social, behavioral, psychosocial, and other susceptibility factors
- Critically evaluate and interpret published research in environmental and occupational health from academic journals and other sources
- Formulate testable hypotheses about critical knowledge and evidence gaps in environmental and occupational health
- Develop valid and reproducible study designs, including data collection strategies to test hypotheses using novel or current methods
- Apply appropriate and rigorous methods to analyze and interpret original data
- Communicate research results through scientific manuscripts, presentations, and other forms to both scientific and lay audiences
- Assess risks associated with physical, chemical, psychosocial, or other exposures in environmental or occupational settings, and identify appropriate policies and other interventions for preventing or reducing these risks

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

Required Courses *

BST 560	Intermediate Biostatistics I	3.0
EOH 800	Professional Development	3.0
EOH 805	Evidence Evaluation for Identification of Environmental Hazards	3.0
EOH 810	Environmental and Occupational Toxicology	3.0
EOH 812	Environmental Exposure Science	3.0
EOH 815	Environmental and Occupational Health Policy	3.0
EOH 825	Occupational and Environmental Epidemiology	3.0
EOH 830	Seminar in Environmental Epidemiology	3.0
EPI 560	Intermediate Epidemiology	3.0
RCRG 600	An Introduction to the Responsible Conduct of Research	0.0
PBHL 501	Introduction to Public Health **	0.0
Electives ***		27.0
Dissertation		36.0-54.0
EOH 997	Dissertation Guidance in Environmental and Occupational Health	

Total Credits **90.0-108.0**

* Students are required to complete the TA Orientation and Preparation Course.

** Foundational Public Health Learning Objectives: PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

*** Students are required to consult with their faculty mentor on all elective selections. Elective coursework must be aligned with the student's research interests and dissertation focus. Students choose from an **BST, CHP, EOH, EPI, HMP, or PBHL** courses from the 500-999 level. Students can take additional 500-level or above electives across the University as long as they meet prerequisite and restriction requirements and receive faculty mentor approval.

Sample Plan of Study

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
EOH 825	3.0 EOH 810	3.0 BST 560	3.0 VACATION	
EPI 560	3.0 EOH 830	3.0 EOH 805	3.0	
PBHL 501*	0.0 RCRG 600	0.0 EOH 812	3.0	
Elective	3.0 Elective	3.0		
	9	9	9	0

Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
Electives	9.0 EOH 800	3.0 EOH 815	3.0 VACATION	
	Electives	6.0 Electives	6.0	
	9	9	9	0

Third Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
EOH 997	9.0 EOH 997	9.0 EOH 997	9.0 VACATION	
	9	9	9	0

Fourth Year

Fall	Credits
EOH 997	9.0
	9

Total Credits 90

* PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

Environmental and Occupational Health Sciences

Major: Environmental and Occupational Health Sciences

Degree Awarded: Master of Science (MS)

Calendar Type: Quarter

Minimum Required Credits: 45.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 51.2202

Standard Occupational Classification (SOC) code: 19-2041

About the Program

The Master of Science in Environmental and Occupational Health Sciences equips students with the knowledge and skills to identify and answer important questions regarding influences of the physical environment on human health and to disseminate those findings. Students will undergo rigorous training in the research methods that are required to address key questions related to generating evidence on how the environment influences health with a focus on modifiable features of the environment that can be considered for policy interventions.

The program prepares students as independent researchers and deepens professional competencies required to occupy a leadership position in environmental and occupational health in government, academic, private industry, or a non-profit organization.

Major Competencies:

- Assess pathways of human exposure to hazardous agents and stressors in the environment and workplace
- Investigate and synthesize research on hazardous agents and their impacts on human health effects, including how individual and population factors affect vulnerability
- Evaluate epidemiologic methods used in occupational and environmental research and interpret findings
- Formulate testable hypotheses about critical knowledge and evidence gaps in environmental and occupational health
- Apply appropriate study designs, data collection strategies, and analytical methods to test scientific hypotheses
- Communicate research findings and evidence through scientific manuscripts, presentations, and other forms to both scientific and lay audiences

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

Major Courses

BST 571	Introduction to Biostatistics	3.0
EOH 510	Principles and Practice of Environmental and Occupational Health *	3.0
EOH 605	Evidence Evaluation for Identification of Environmental Hazards	3.0
EOH 610	Environmental and Occupational Toxicology	3.0
EOH 612	Environmental Exposure Science	3.0
EOH 625	Occupational and Environmental Epidemiology	3.0
EOH 725	Seminar in Environmental Epidemiology	3.0
EOH 799	Master of Science Thesis Research in Environmental and Occupational Health Sciences	9.0
EPI 561	Pathophysiologic Basis of Epidemiologic Research	3.0
EPI 570	Introduction to Epidemiology	3.0
PBHL 501	Introduction to Public Health **	0.0
Electives ***		9.0
Total Credits		45.0

* EOH 510 can be substituted with an elective with faculty mentor approval.

** Foundational Public Health Learning Objectives: PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

*** Students choose from any **BST, CHP, EOH, EPI, HMP, or PBHL** course from the 500-999 level. Students can take additional 500-level or above electives across the university as long as they meet prerequisite and restriction requirements. Students can contact their faculty mentor to discuss elective options.

Sample Plan of Study

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 571	3.0 EOH 610	3.0 EOH 605	3.0 VACATION	
EOH 510	3.0 EPI 570	3.0 EOH 612	3.0	
PBHL 501*	0.0 Electives	3.0 EOH 799	3.0	
Electives	3.0			
	9	9	9	0
Second Year				
Fall	Credits Winter	Credits		
EOH 625	3.0 EOH 725	3.0		
EOH 799	3.0 EOH 799	3.0		
EPI 561	3.0 Electives	3.0		
	9	9		
Total Credits 45				

* PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

Epidemiology MPH

Major: Epidemiology

Degree Awarded: Master of Public Health (MPH)

Calendar Type: Quarter

Minimum Required Credits: 56.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 26.1309

Standard Occupational Classification (SOC) code: 19-1041

About the Program

Students in the Master of Public Health in Epidemiology program learn and apply quantitative approaches to characterize, monitor, and understand the health of populations. Students gain experience in the design of epidemiologic studies and in the analysis of data. Epidemiology and Biostatistics faculty focus on a range of analytic approaches and their application to a spectrum of topics including social inequalities in health, neighborhood differences in health, chronic and infectious disease epidemiology, the epidemiology of health across life stages, nutrition, physical activity and obesity, and clinical research. Career paths in epidemiology often involve data collection, analyses, and interpretation to inform policy and practice in governmental, private, nonprofit, academic, and healthcare settings. Epidemiology graduates may also manage research studies that lead to the changes in decision making in public health.

Major Competencies

- Define a problem and formulate a testable hypothesis
- Review and critically evaluate the validity of the design, analysis, and interpretation of findings from published research studies
- Create and manage datasets appropriate for epidemiologic analyses from sources such as surveillance, large-scale data (i.e, Big Data, such as electronic medical records, administrative claims data) or other health-related research
- Conduct univariable and multivariable regression and other semi- and non-parametric analytic techniques of an epidemiologic data set using a standard statistical software package
- Create effective peer-review quality written and visual summaries of analysis results

Additional Information

For more information about this program, please contact:

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

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

Additional information for the online program can be found on the Drexel University Online website, including admissions criteria and how to apply.

Degree Requirements

Core Courses

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

Major Courses

BST 555	Introduction to Statistical Computing	3.0
BST 560	Intermediate Biostatistics I	3.0
EPI 560	Intermediate Epidemiology	3.0
EPI 749	Research and Practice in Epidemiology	3.0

Applied Practical Experience

PBHL 500	Practical Experience for the Master of Public Health	0.0
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Integrative Learning Experience

EPI 751	Integrative Learning Experience in Epidemiology	3.0
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Electives *

24.0

Total Credits

56.0

* Students choose from any **BST, CHP, EOH, EPI, HMP, or PBHL** course from the 500-999 level. Students can take additional 500-level or above electives across the university as long as they meet prerequisite and restriction requirements. Students can contact their faculty mentor to discuss elective options. Students can use elective credits to further focus their academic work by completing a graduate minor.

Sample Plan of Study

12-Month (4 Quarter) Full-Time Online and Face-to-Face

	Summer	Credits
	BST 571	3.0
	EPI 570	3.0
	PBHL 510	4.0
	PBHL 511	4.0
		14

First Year

Fall	Credits Winter	Credits Spring	Credits
BST 555	3.0 EPI 749	3.0 EPI 751	3.0
BST 560	3.0 Electives	12.0 Electives	9.0
EPI 560	3.0		
HMP 505	3.0		
PBHL 500	0.0		
Electives	3.0		
	15	15	12

Total Credits 56

18-Month (5 Quarter) Full-Time Face-to-Face

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 555	3.0 EPI 570	3.0 BST 560	3.0 PBHL 500	0.0
BST 571	3.0 PBHL 511	4.0 EPI 560	3.0	
PBHL 510	4.0 Electives	3.0 HMP 505	3.0	
		Electives	3.0	
	10	10	12	0

Second Year

Fall	Credits Winter	Credits
EPI 749	3.0 EPI 751	3.0
Electives	9.0 Electives	9.0
	12	12

Total Credits 56

18-Month (5 Quarter) Full-Time Online

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
EPI 570	3.0 BST 555	3.0 BST 560	3.0 PBHL 500	0.0
PBHL 510	4.0 BST 571	3.0 EPI 560	3.0	
Electives	3.0 PBHL 511	4.0 HMP 505	3.0	
		Electives	3.0	
	10	10	12	0
Second Year				
Fall	Credits Winter	Credits		
EPI 749	3.0 EPI 751	3.0		
Electives	9.0 Electives	9.0		
	12	12		

Total Credits 56

21-Month (6 Quarter) Full-Time Face-to-Face

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 555	3.0 EPI 570	3.0 BST 560	3.0 PBHL 500	0.0
BST 571	3.0 PBHL 511	4.0 EPI 560	3.0	
PBHL 510	4.0 Electives	3.0 HMP 505	3.0	
	10	10	9	0
Second Year				
Fall	Credits Winter	Credits Spring	Credits	
EPI 749	3.0 EPI 751	3.0 Electives	9.0	
Electives	6.0 Electives	6.0		
	9	9	9	

Total Credits 56

21-Month (6 Quarter) Full-Time Online

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
EPI 570	3.0 BST 555	3.0 BST 560	3.0 PBHL 500	0.0
PBHL 510	4.0 BST 571	3.0 EPI 560	3.0	
Electives	3.0 PBHL 511	4.0 HMP 505	3.0	
	10	10	9	0
Second Year				
Fall	Credits Winter	Credits Spring	Credits	
EPI 749	3.0 EPI 751	3.0 Electives	9.0	
Electives	6.0 Electives	6.0		
	9	9	9	

Total Credits 56

30-Month (9 Quarter) Part-Time Online

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
EPI 570	3.0 BST 571	3.0 HMP 505	3.0 Electives	6.0
PBHL 510	4.0 PBHL 511	4.0 Electives	3.0	
	7	7	6	6
Second Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
Electives	6.0 BST 555	3.0 BST 560	3.0 PBHL 500	0.0
	Electives	3.0 EPI 560	3.0	
	6	6	6	0
Third Year				
Fall	Credits Winter	Credits		
EPI 749	3.0 EPI 751	3.0		

Electives	3.0 Electives	3.0
	6	6

Total Credits 56

Epidemiology

Major: Epidemiology

Degree Awarded: Master of Science (MS)

Calendar Type: Quarter

Minimum Required Credits: 45.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 26.1309

Standard Occupational Classification (SOC) code: 19-1041

About the Program

The Master of Science in Epidemiology trains students in epidemiologic principles and methods to solve complex health issues. The curriculum and required project will give students the opportunity to effectively engage in and report research. This includes the development of appropriate research questions and aims, the design and conduct of epidemiologic studies, and the appropriate analysis, interpretation, and presentation of research data. This program is for students interested in a terminal degree in applied epidemiologic and health research, as well as those who may wish to pursue doctoral training in epidemiology.

Major Competencies

- Address a research question by identifying appropriate study designs based on knowledge of biological basis of disease and calculating appropriate measures of disease frequency and risk
- Review and critically evaluate the validity of the design, analysis, and interpretation of findings from published research studies
- Create and manage datasets appropriate for epidemiologic analyses from sources such as surveillance, large-scale data (i.e., Big Data, such as electronic medical records, administrative claims data), or other health-related research
- Conduct univariable and multivariable regression and other semi- and non-parametric analytic techniques of an epidemiologic data set using a standard statistical software package
- Create effective peer-review quality written and visual summaries of analysis results

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

Required Courses

Core Courses

BST 571	Introduction to Biostatistics	3.0
EPI 570	Introduction to Epidemiology	3.0
PBHL 501	Introduction to Public Health *	0.0

Epidemiology

EPI 560	Intermediate Epidemiology	3.0
EPI 561	Pathophysiologic Basis of Epidemiologic Research	3.0

Biostatistics

BST 553	Longitudinal Data Analysis	3.0
BST 555	Introduction to Statistical Computing	3.0
BST 560	Intermediate Biostatistics I	3.0

Master's Project

EPI 699	Master of Science Epidemiology Project	3.0
EPI 749	Research and Practice in Epidemiology	3.0

Electives **

18.0

Total Credits

45.0

- * Foundational Public Health Learning Objectives: PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.
- ** Students choose from any **BST, CHP, EOH, EPI, HMP, or PBHL** course from the 500-999 level. Students can take additional 500-level or above electives across the university as long as they meet prerequisite and restriction requirements. Students can contact their faculty mentor to discuss elective options. Students can use elective credits to further focus their academic work by completing a graduate minor.

Sample Plan of Study

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 571	3.0 BST 555	3.0 BST 560	3.0 VACATION	
EPI 561	3.0 Electives	6.0 EPI 560	3.0	
EPI 570	3.0	Electives	3.0	
PBHL 501*	0.0			
	9	9	9	0
Second Year				
Fall	Credits Winter	Credits		
EPI 749	3.0 BST 553	3.0		
Electives	6.0 EPI 699	3.0		
	Electives	3.0		
	9	9		
Total Credits 45				

- * PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

Epidemiology PhD

Major: Epidemiology

Degree Awarded: Doctor of Philosophy (PhD)

Calendar Type: Quarter

Minimum Required Credits: 54.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 26.1309

Standard Occupational Classification (SOC) code: 19-1041

About the Program

The Doctor of Philosophy in Epidemiology prepares students to approach problems with the critical analytic skills necessary for the generation of substantial and significant epidemiologic questions, and to utilize the most rigorous and parsimonious research strategies to answer such questions. Additionally, integral values of the Department and School will infuse students with the commitment to pursue important and innovative topics of inquiry even when faced with methodological challenges, and to undertake studies that generate knowledge applicable to diverse social, ethnic, and geographically defined populations.

Graduates will develop the skills and expertise necessary to initiate and direct the scientifically rigorous research to develop public health and medical policies and procedures to foster the maintenance and improvement of the health and well-being of populations.

Students will take a comprehensive exam that requires them to synthesize coursework and demonstrate mastery of public health competencies. Students will then develop and defend a dissertation proposal and complete a dissertation of publishable quality and final defense.

Major Competencies

- Demonstrate a basic understanding of human physiology and pathophysiology with special competence in areas needed for dissertation research
- Search and critically evaluate literature to synthesize information, identify major gaps in knowledge, and formulate statement of research problem and hypothesis
- Design studies based on application of principal study designs, strengths and limitations, evaluate sample size, identify, assess, and minimize bias and confounding
- Analyze data using appropriate statistical approaches and standard statistical software
- Apply epidemiologic causal inference theory to the design, implementation, and interpretation of analyses
- Communicate results orally and in writing to scientists and non-scientists and place findings in appropriate public health and health policy context

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

Required *		
BST 820	Intermediate Biostatistics II	3.0
EPI 700	Advanced Epidemiology	3.0
EPI 800	Epidemiology PhD Seminar	3.0
EPI 801	Causal Inference in Epidemiology: Theory	3.0
EPI 803	Proposal Writing Seminar	3.0
EPI 804	Causal Inference in Epidemiology: Application	3.0
EPI 861	Pathophysiologic Basis of Epidemiologic Research	3.0
RCRG 600	An Introduction to the Responsible Conduct of Research	0.0
PBHL 501	Introduction to Public Health **	0.0
Selective (Choose One)		3.0
BST 559	Intermediate SAS	
BST 701	Advanced Statistical Computing	
EPI 864	Data Science Using R	
Dissertation		18.0
EPI 999	Thesis Research: Dissertation Guidance in Epidemiology	
Electives ***		12.0
Total Credits		54.0

* All entering students are expected to have already completed introductory and intermediate level epidemiology and biostatistics courses as part of their master's program or must enroll in these courses, or their equivalents, as additional requirements. These courses will be counted as electives for the program.

** Foundational Public Health Learning Objectives: PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

*** Students choose any BST and EPI courses from the 500-999 level. At least one elective must be at the doctoral level.

Sample Plan of Study

First Year			
Fall	Credits Winter	Credits Spring	Credits
EPI 861	3.0 BST 820	3.0 EPI 801	3.0
PBHL 501 *	0.0 EPI 700	3.0 Electives/Selective	6.0
Electives/Selective	6.0 Electives/Selective	3.0	
		9	9
Second Year			
Fall	Credits Winter	Credits Spring	Credits
EPI 800	3.0 EPI 999	9.0 EPI 804	3.0
EPI 803	3.0 RCRG 600	0.0 EPI 999	6.0
EPI 999	3.0		
		9	9
Total Credits 54			

* PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

Global Health

Major: Global Health

Degree Awarded: Master of Science (MS)

Calendar Type: Quarter

Minimum Required Credits: 45.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 51.2210

Standard Occupational Classification (SOC) code: 21-1091

About the Program

The online Master of Science in Global Health aims to prepare the next generation of public health leaders for careers in global health. The program draws upon the interdisciplinary expertise of the Dornsife School of Public Health's faculty, allowing students to gain both broad understanding of global health and have a deeper engagement on issues such as urban and environmental health, maternal and child health, human rights, social justice, and ethics.

The program is designed for clinicians, researchers, program managers, policy analysts, social entrepreneurs, and others who want to study both the theory and practice of global health, strengthening their skills in quantitative, qualitative, and applied social sector research. Graduates will be prepared for careers in research, policy, program management, and evaluation. Employers include government agencies, academic institutions, global technical agencies, international non-governmental organizations, and private sector global health companies.

Major Competencies:

- Analyze the roles, relationships, and resources of the entities influencing global health
- Apply ethical approaches in global health research and practice
- Apply monitoring and evaluation techniques to global health programs, policies, and outcomes
- Propose sustainable and evidence-based multi-sectoral interventions, considering the social determinants of health specific to the local area
- Design sustainable workforce development strategies for resource-limited settings
- Display critical self-reflection, cultural humility, and ongoing learning in global health

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 Drexel University Online (https://www.online.drexel.edu/online-degrees/public-health-degrees/ms-global-health/?ccid=130873&utm_source=google&utm_medium=cpc&utm_term=%2Bms%20%2Bglobal%20%2Bhealth&utm_content=seer_nb_dornsife_ms-in-global-health_duo_multi_all_c-us_m_lead_go_en_txt_&utm_campaign=130873&gclid=CjwKCAjwqpP2BRBTEiwAfpiD-wz8dBQTT3k4U7EY8_51MRYGG7QFmKCxkNbPui-l6sv4Cn9RWDW8GhoCe9EQAvD_BwE) website, including admissions criteria and how to apply.

Degree Requirements

Required Courses

BST 571	Introduction to Biostatistics	3.0
CHP 561	Overview of Issues in Global Health	3.0
CHP 607	Public Health Ethics	3.0
CHP 660	Global Health Ethics	1.5
CHP 661	Monitoring and Evaluation in Global Health Programs and Advocacy	1.5
CHP 673	Process Monitoring and Outcomes Evaluation for Community Health Programs	3.0
EPI 570	Introduction to Epidemiology	3.0
HMP 603	Health Systems Policy Analysis	3.0
PBHL 501	Introduction to Public Health *	0.0

Capstone Courses

CHP 752	Global Health Integrative Learning Experience: Capstone Course I	1.5
CHP 753	Global Health Integrative Learning Experience: Capstone Course II	1.5

Electives **

Total Credits		45.0
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* Foundational Public Health Learning Objectives: PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

** Students choose from any **BST, CHP, EOH, EPI, HMP, or PBHL** course from the 500-999 level. Students can take additional 500-level or above electives across the university as long as they meet prerequisite and restriction requirements. Students can contact their faculty mentor to discuss elective options. Students can use elective credits to further focus their academic work by completing a graduate minor.

Sample Plan of Study

9 Month (3 Quarter) Full Time

First Year				
Fall	Credits Winter		Credits Spring	Credits
CHP 561	3.0 BST 571		3.0 CHP 607	3.0
EPI 570	3.0 CHP 661		1.5 CHP 660	1.5
HMP 603	3.0 CHP 673		3.0 CHP 753	1.5
PBHL 501*	0.0 CHP 752		1.5 Electives	9.0
Electives	6.0 Electives		6.0	
		15	15	15
Total Credits 45				

* PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

12 Month (4 Quarter) Full Time

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CHP 561	3.0 BST 571	3.0 CHP 607	3.0 CHP 753	1.5
EPI 570	3.0 CHP 661	1.5 CHP 660	1.5 Electives	9.0
HMP 603	3.0 CHP 673	3.0 CHP 752	1.5	
PBHL 501*	0.0 Electives	3.0 Electives	6.0	
Electives	3.0			
		12	12	10.5
Total Credits 45				

* PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

24 Month (8 Quarter) Part Time

First Year (Part-Time)				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CHP 561	3.0 BST 571	3.0 CHP 607	3.0 Electives	6.0
EPI 570	3.0 CHP 661	1.5 CHP 660	1.5	
PBHL 501*	0.0 CHP 673	3.0		
		6	4.5	6
Second Year (Part-Time)				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
HMP 603	3.0 Electives	6.0 CHP 752	1.5 CHP 753	1.5
Electives	3.0	Electives	3.0 Electives	3.0
		6	4.5	4.5
Total Credits 45				

* PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

Global Health

Major: Global Health

Degree Awarded: Master of Public Health (MPH)

Calendar Type: Quarter

Minimum Required Credits: 56.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 51.2210

Standard Occupational Classification (SOC) code: 21-1091

About the Program

Students in the online Master of Public Health in Global Health program learn how to analyze the influences affecting the health and well-being of diverse populations across different cultures and contexts. Students will develop skills in program planning, research, and communication, learning how to assess, monitor, and evaluate global health programs, policies, and outcomes and design evidence-based programs paying attention to ethics, social justice, and human rights.

Major Competencies:

- Analyze the roles, relationships, and resources of the entities influencing global health
- Apply ethical approaches in global health research and practice
- Apply monitoring and evaluation techniques to global health programs, policies, and outcomes
- Propose sustainable and evidence-based multisectoral interventions, considering the social determinants of health specific to the local area
- Design sustainable workforce development strategies for resource-limited settings
- Display critical self-reflection, cultural humility, and ongoing learning in global health

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 Drexel University Online website, including admissions criteria and how to apply.

Degree Requirements

Core Courses

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

Major Courses

CHP 561	Overview of Issues in Global Health	3.0
CHP 607	Public Health Ethics	3.0
CHP 660	Global Health Ethics	1.5
CHP 661	Monitoring and Evaluation in Global Health Programs and Advocacy	1.5
CHP 673	Process Monitoring and Outcomes Evaluation for Community Health Programs	3.0
HMP 603	Health Systems Policy Analysis	3.0

Applied Practical Experience

PBHL 500	Practical Experience for the Master of Public Health	0.0
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Integrative Learning Experience

CHP 752	Global Health Integrative Learning Experience: Capstone Course I	1.5
CHP 753	Global Health Integrative Learning Experience: Capstone Course II	1.5

Electives *		21.0
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Total Credits		56.0
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* Students choose from any **BST, CHP, EOH, EPI, HMP, or PBHL** course from the 500-999 level. Students can take additional 500-level or above electives across the university as long as they meet prerequisite and restriction requirements. Students can contact their faculty mentor to discuss elective options. Students can use elective credits to further focus their academic work by completing a graduate minor.

Sample Plan of Study

12-Month (4 Quarter) Full-Time

	Summer	Credits
	BST 571	3.0
	EPI 570	3.0
	PBHL 510	4.0
	PBHL 511	4.0

First Year

Fall	Credits Winter	Credits Spring	Credits
CHP 561	3.0 CHP 661	1.5 CHP 607	3.0
HMP 505	3.0 CHP 673	3.0 CHP 660	1.5
HMP 603	3.0 CHP 752	1.5 CHP 753	1.5
PBHL 500	0.0 Electives	9.0 Electives	6.0
Electives	6.0		
	15	15	12

Total Credits 56

18-Month (5 Quarter) Full-Time**First Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CHP 561	3.0 BST 571	3.0 CHP 607	3.0 PBHL 500	0.0
EPI 570	3.0 CHP 661	1.5 CHP 660	1.5	
PBHL 510	4.0 CHP 673	3.0 HMP 505	3.0	
Electives	3.0 PBHL 511	4.0 Electives	3.0	
	13	11.5	10.5	0

Second Year

Fall	Credits Winter	Credits
CHP 752	1.5 CHP 753	1.5
HMP 603	3.0 Electives	9.0
Electives	6.0	
	10.5	10.5

Total Credits 56

21-Month (6 Quarter) Full-Time**First Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CHP 561	3.0 BST 571	3.0 HMP 505	3.0 PBHL 500	0.0
EPI 570	3.0 PBHL 511	4.0 Electives	6.0	
PBHL 510	4.0 Electives	3.0		
	10	10	9	0

Second Year

Fall	Credits Winter	Credits Spring	Credits
HMP 603	3.0 CHP 661	1.5 CHP 607	3.0
Electives	6.0 CHP 673	3.0 CHP 660	1.5
	CHP 752	1.5 CHP 753	1.5
	Electives	3.0 Electives	3.0
	9	9	9

Total Credits 56

24-Month (8 Quarter) Part-Time**First Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
EPI 570	3.0 BST 571	3.0 CHP 607	3.0 PBHL 500	0.0
PBHL 510	4.0 PBHL 511	4.0 CHP 660	1.5 Electives	6.0
		HMP 505	3.0	
	7	7	7.5	6

Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CHP 561	3.0 CHP 661	1.5 CHP 752	1.5 CHP 753	1.5
HMP 603	3.0 CHP 673	3.0 Electives	6.0 Electives	6.0
	Electives	3.0		
	6	7.5	7.5	7.5

Total Credits 56

33-Month (9 Quarter) Part-Time

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
EPI 570	3.0 BST 571	3.0 HMP 505	3.0 VACATION	
PBHL 510	4.0 PBHL 511	4.0 Electives	3.0	
	7	7	6	0
Second Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
CHP 561	3.0 CHP 661	1.5 CHP 607	3.0 PBHL 500	0.0
HMP 603	3.0 CHP 673	3.0 CHP 660	1.5	
	Electives	3.0 Electives	3.0	
	6	7.5	7.5	0
Third Year				
Fall	Credits Winter	Credits Spring	Credits	
Electives	6.0 CHP 752	1.5 CHP 753	1.5	
	Electives	3.0 Electives	3.0	
	6	4.5	4.5	

Total Credits 56

Health Management and Policy

Major: Health Management and Policy

Degree Awarded: Master of Public Health (MPH)

Calendar Type: Quarter

Minimum Required Credits: 56.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 51.0701

Standard Occupational Classification (SOC) code: 11-9111

About the Program

Students in the Master of Public Health in Health Management and Policy program learn the skills necessary to take on management and policy-making roles to improve healthcare delivery and population health at the local, state, and national levels. The program trains the next generation of public health practitioners and leaders to become agents for positive change in a dynamic and complex world who will lead in the following domains:

- Urban Health: Manage a diverse set of healthcare and public health programs aimed at advancing the health status of people living in America's cities.
- Human Rights: Assure that organizational priorities and strategies focus on improving and maintaining health as a basic human right.
- Policy and Management Integration: Direct organizations and programs with a clear vision of how the interests of institutions and society must be considered as mutually dependent.

The curriculum provides engaging and challenging learning experiences that prepare students to lead purposeful lives in the service of healthcare and public health. Students learn to plan, implement, operate, and evaluate programs and organizations that are responsive to rapidly changing needs and entrenched in longstanding societal problems. Recognizing that health should be a component of all public policy, faculty help students to develop professional skills in management, organization, finance, advocacy, political action, research, public policy analysis, and evaluation.

In teaching, research, and service, students, faculty, and staff engage with many community partners in common cause to contribute responsible, sustainable solutions that improve the quality of life in the region and beyond.

Major Competencies:

- Analyze the government powers and restraints from legal and/or historical perspectives that underlie the development, analysis, and implementation of a public health program or policy
- Apply health care financial and/or organizational management tools and measures to assure effective resource use in achieving population health improvement objectives
- Assess how public policy and programs can counteract the roles of history, power, privilege, and structural racism in producing health inequities
- Apply population health principles in assessing value-based healthcare delivery and financing strategies
- Contribute to the development of an evidence-informed program or policy proposal that addresses an important urban public health problem

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 (<https://drexel.edu/dornsife/academics/degrees/mpH-degree/>) website, including admissions criteria and how to apply (<https://drexel.edu/dornsife/admissions/overview/>).

Degree Requirements

Core Courses

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

Major Courses

HMP 500	Health Management and Policy I	3.0
HMP 501	Health Management and Policy II	3.0
HMP 550	Health Disparities: Systemic, Structural, Environmental & Economic	3.0
Policy Selective (Select One)		3.0
HMP 510	Evolution of United States Health Policy	
HMP 511	Legal Aspects of Public Health	
HMP 514	Policy Analysis for Population Health	
HMP 660	Public Policy and Advocacy	
Management Selective (Select One)		3.0
HMP 512	The Business of Healthcare: Advanced Healthcare Financial Management	
HMP 516	Health Care Organizations and Management	
HMP 650	Management of Healthcare Outcomes	
Social Justice/Equity Selective (Select One)		3.0
HMP 519	Maternal & Child Health Policy	
HMP 551	Historical and Contemporary Developments in Social Justice	
HMP 555	Violence, Trauma and Adversity in Public Health	
HMP 557	Public Health and the Complexity of Mental Health Policy: Exploring Past, Present, and Future	
HMP 600	Public Health Advocacy and Activism	
HMP 602	The Politics of Food & Gender	
HMP 603	Health Systems Policy Analysis	
HMP 610	Abolition Frameworks for Public Health: Transformative Policies for a New Society	
HMP 661	Disability and Measurement	
HMP 662	Medicaid and Disability Policy	
Applied Practical Experience		
PBHL 500	Practical Experience for the Master of Public Health	0.0
Integrative Learning Experience		
HMP 750	Integrative Learning Experience	3.0
HMP 751	Integrative Learning Experience II	3.0
Electives *		15.0
Total Credits		56.0

* Students choose from any **BST, CHP, EOH, EPI, HMP, or PBHL** course from the 500-999 level. Students can take additional 500-level or above electives across the university as long as they meet prerequisite and restriction requirements. Students can contact their faculty mentor to discuss elective options. Students can use elective credits to further focus their academic work by completing a graduate minor.

Sample Plan of Study

12-Month (4 Quarter) Full-Time

	Summer	Credits
	BST 571	3.0
	EPI 570	3.0
	PBHL 510	4.0

PBHL 511 4.0

14

First Year

Fall	Credits Winter	Credits Spring	Credits
HMP 500	3.0 HMP 501	3.0 HMP 751	3.0
HMP 505	3.0 HMP 750	3.0 Social Justice/Equity Selective	3.0
HMP 550	3.0 Policy Selective	3.0 Electives	6.0
PBHL 500	0.0 Electives	6.0	
Management Selective	3.0		
Electives	3.0		
	15	15	12

Total Credits 56

18-Month (5 Quarter) Full-Time**First Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 571	3.0 EPI 570	3.0 HMP 505	3.0 PBHL 500	0.0
HMP 500	3.0 HMP 501	3.0 Electives	6.0	
PBHL 510	4.0 PBHL 511	4.0 Social Justice/Equity Selective	3.0	
	Electives	3.0		
	10	13	12	0

Second Year

Fall	Credits Winter	Credits
HMP 550	3.0 HMP 751	3.0
HMP 750	3.0 Policy Selective	3.0
Management Selective	3.0 Electives	3.0
Electives	3.0	
	12	9

Total Credits 56

21-Month (6 Quarter) Full-Time**First Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 571	3.0 EPI 570	3.0 HMP 505	3.0 PBHL 500	0.0
HMP 500	3.0 HMP 501	3.0 Electives	3.0	
PBHL 510	4.0 PBHL 511	4.0 Social Justice/Equity Selective	3.0	
	10	10	9	0

Second Year

Fall	Credits Winter	Credits Spring	Credits
HMP 550	3.0 HMP 750	3.0 HMP 751	3.0
Management Selective	3.0 Policy Selective	3.0 Electives	6.0
Electives	3.0 Electives	3.0	
	9	9	9

Total Credits 56

Health Management and Policy DrPH*Major: Health Management and Policy**Degree Awarded: Doctor of Public Health (DrPH)**Calendar Type: Quarter**Minimum Required Credits: 55.5**Co-op Option: None**Classification of Instructional Programs (CIP) code: 51.0701**Standard Occupational Classification (SOC) code: 11-9111*

Note: The DrPH will not be offered in the 2023-2024 academic year, but is expected to be offered in the Fall of 2024 as an online program.

About the Program

The Doctor of Public Health in Health Management and Policy equips students with the skills to pursue practice-based careers in health management and policy in healthcare, public health, or related domains in the United States and to become effective leaders at successive levels during the course of their careers. This is a part-time program intended for full-time working practitioners in the field of public health.

The program is grounded in the scientific disciplines that provide the evidence base for effective health services, programs, and policies. Coursework will provide a foundation in the social, political, and historical forces that shape healthcare and public health systems in this country, with a focus on the evolving efforts to improve healthcare access and value. Students will learn how to optimize uses of healthcare data and information and redefine the interface between healthcare and public health systems. Through coursework, the practicum experience, and the applied dissertation project, participants will explore the determinants of health and health disparities, as well as leadership, management, and policy strategies for reducing disparities by improving individual and population health.

Students will benefit from engagement with the Department of Health Management and Policy's interdisciplinary faculty, the Dornsife School of Public Health's emphasis on urban health and social justice, and the School's location in Philadelphia—the sixth largest city in the United States where dynamic networks of academic, government, non-profit, and community-based organizations share a commitment to addressing health problems.

Foundational Competencies

- Explain qualitative, quantitative, mixed methods, and policy analysis research and evaluation methods to address health issues at multiple (individual, group, organization, community, and population) levels
- Design a qualitative, quantitative, mixed methods, policy analysis, or evaluation project to address a public health issue
- Explain the use and limitations of surveillance systems and national surveys in assessing, monitoring, and evaluating policies and programs and to address a population's health
- Propose strategies for health improvement and elimination of health inequities by organizing stakeholders, including researchers, practitioners, community leaders, and other partners
- Communicate public health science to diverse stakeholders, including individuals at all levels of health literacy, for purposes of influencing behavior and policies
- Integrate knowledge, approaches, methods, values, and potential contributions from multiple professions, sectors, and systems in addressing public health problems
- Create a strategic plan
- Facilitate shared decision making through negotiation and consensus-building methods
- Create organizational change strategies
- Propose strategies to promote inclusion and equity within public health programs, policies, and systems
- Assess one's own strengths and weaknesses in leadership capacities, including cultural proficiency
- Propose human, fiscal, and other resources to achieve a strategic goal
- Cultivate new resources and revenue streams to achieve a strategic goal
- Design a system-level intervention to address a public health issue
- Integrate knowledge of cultural values and practices in the design of public health policies and programs
- Integrate scientific information, legal and regulatory approaches, ethical frameworks, and varied stakeholder interests in policy development and analysis
- Propose interprofessional and/or intersectoral team approaches to improving public health
- Assess an audience's knowledge and learning needs
- Deliver training or educational experiences that promote learning in academic, organizational, or community settings
- Use best practice modalities in pedagogical practices

Major Competencies

- Demonstrate a commitment to public health professional values through the integration of ethical principles and an evaluation of personal values
- Assess the feasibility and implications of health systems policies as related to the organizing, delivering, and financing of health services
- Propose solutions to address a challenge in the US Health system using Economic models
- Interpret legal, ethical, and policy principles as they apply to public health practice
- Conduct econometric analyses to analyze the nature of relationships between health care expenditures, costs, and use and their determinants

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

Foundational Courses

CHP 804	Qualitative Research in Community Health	3.0
HMP 802	Health and Human Rights	3.0
HMP 808	Public Health Advocacy and Activism	3.0
HMP 810	Health Services Research	3.0
HMP 817	Public Health Workforce: Pedagogy and Development	3.0
HMP 820	Methods in Implementation Science	3.0
HMP 824	Policy Analysis for Population Health	3.0
HMP 857	Health Care Strategy and Operations: Creating Change	3.0
PBHL 501	Introduction to Public Health *	0.0

Major Courses

BST 555 or BST 559	Introduction to Statistical Computing Intermediate SAS	3.0
EPI 560	Intermediate Epidemiology	3.0
HMP 803	Health Systems Policy Analysis	3.0
HMP 811	Legal Aspects of Public Health	3.0
HMP 814	Research and Practice Workshop (1.5 credits per quarter for two quarters)	3.0
HMP 852	Health Economics I	3.0
HMP 853	Health Economics II	3.0

Practical Experience

HMP 850	DrPH Practicum	0.0
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Dissertation

HMP 998	DrPH Dissertation Guidance	4.5
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Electives **

		6.0
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Total Credits

55.5

* Foundational Public Health Learning Objectives: PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

** Students choose from any BST, CHP, ECON, EOH, EPI, HMP, PBHL courses from the 500-999 level. Students can take additional 500-level or above electives across the university as long as they meet prerequisite and restriction requirements. Students can contact their faculty mentor to discuss elective options. One elective must be at the 800-level.

Sample Plan of Study

First Year (Part-Time)

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
HMP 802	3.0 HMP 811	3.0 HMP 824	3.0 VACATION	
HMP 810	3.0 BST 555 or 559	3.0 Elective	3.0	
PBHL 501 *	0.0			
	6	6	6	0

Second Year (Part-Time)

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
EPI 560	3.0 CHP 804	3.0 HMP 808	3.0 HMP 850	0.0
HMP 817	3.0 HMP 857	3.0 HMP 814	1.5	
	6	6	4.5	0

Third Year (Part-Time)

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
HMP 820	3.0 HMP 803	3.0 HMP 814	1.5 VACATION	
HMP 852	3.0 HMP 853	3.0 Elective	3.0	
	6	6	4.5	0

Fourth Year (Part-Time)

Fall	Credits
HMP 998	4.5
	4.5

Total Credits 55.5

* PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

Health Services Research and Policy

Major: Health Services Research and Policy

Degree Awarded: Doctor of Philosophy (PhD)

Calendar Type: Quarter

Minimum Required Credits: 90.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 44.0503

Standard Occupational Classification (SOC) code: 11-9111

About the Program

The Doctor of Philosophy in Health Services Research and Policy equips students with the skills to identify and answer important questions regarding health services, systems, and policies in the United States and to disseminate and translate findings into actions that improve health. Students will benefit from engagement with the Department of Health Management and Policy's interdisciplinary faculty, the Dornsife School of Public Health's emphasis on urban health and social justice, and the School's location in Philadelphia—the 6th largest city in the United States where dynamic networks of academic, government, non-profit, and community-based organizations share a commitment to addressing health problems.

The program prepares researchers and scholars for careers in universities and other organizations, such as governmental agencies and private health-related industries (insurers, pharmaceuticals, philanthropic foundations, etc.), where health services research is conducted. Graduates will serve to improve the US health care system and individual and population health outcomes through research and advocacy.

The program's four core areas of study are based on principles articulated in the Institute of Medicine report on *Health Services Research: Training and Workforce Issues*:

- **Social and Political Determinants of Health and Health Systems:** The multi-level factors that affect the health of individuals and populations and that undergird US health systems.
- **Research Methods:** The methods for investigating health services research and policy questions that involve collecting, analyzing, and interpreting health and health services data.
- **Health Economics:** The supply and demand of health care resources and the impact of allocation and scarcity of these resources on populations.
- **Implementation Science:** Approaches to designing and implementing health services interventions at multiple levels using community engagement strategies.
- **Research Specialization:** Four Drexel University courses outside of program requirements selected at the student's discretion, with advisor approval, that focus on topics applicable to the student's research interests.

Students will take a comprehensive exam that requires them to synthesize coursework and demonstrate mastery of public health competencies. Students will then develop and defend a dissertation proposal and complete a dissertation of publishable quality and final defense.

Major Competencies

- Weigh the social, political, behavioral, and economic contexts of health and health services
- Develop and use theoretical frameworks to formulate testable research questions in health services research
- Apply quantitative and mixed methods to answer health services research questions
- Translate and disseminate research findings to inform health services practice and policy
- Ensure the ethical and responsible conduct of health services and policy research

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

Required Courses *

BST 555 or BST 559	Introduction to Statistical Computing Intermediate SAS	3.0
EPI 560	Intermediate Epidemiology	3.0
HMP 802	Health and Human Rights	3.0
HMP 810	Health Services Research	3.0
HMP 811	Legal Aspects of Public Health	3.0
HMP 814	Research and Practice Workshop ((taken twice at 1.5 credits each))	3.0
HMP 815	Cost Benefit Analysis for Health Services	3.0
HMP 817	Public Health Workforce: Pedagogy and Development	3.0
HMP 820	Methods in Implementation Science	3.0
HMP 852	Health Economics I	3.0
HMP 853	Health Economics II	3.0
PBHL 501	Introduction to Public Health *	0.0
RCRG 600	An Introduction to the Responsible Conduct of Research	0.0

Research Methods Selective (Select three)

BST 557	Survival Data Analysis	
BST 558	Applied Multivariate Analysis	
BST 560	Intermediate Biostatistics I	
CHP 804	Qualitative Research in Community Health	
ECON 550	Econometrics	
HMP 703	Introduction to GIS for Public Health	

Implementation and Translation Selective (Select one)

CHP 808	Measuring Health	3.0
HMP 803	Health Systems Policy Analysis	
HMP 824	Policy Analysis for Population Health	

Electives **

27.0

Pre-Dissertation Research

HMP 997	Pre-Dissertation Research	9.0
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Dissertation (9.0 credit minimum)

HMP 999	PhD Dissertation Guidance	9.0
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Total Credits

90.0

* Students without an MPH from a CEPH-accredited school of public health are required to take HMP 500 and HMP 501 before the end of their first year of coursework.

** Foundational Public Health Learning Objectives: PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

*** 15.0 credits from a student's master's degree may count towards the electives requirement. For the remaining credits, students will work in consultation with their faculty mentor to select electives that focus on the student's research and professional development needs. These electives are courses at the 500-999 level for the following: BST, CHP, COM, ECON, EOH, EPI, HMP, PBHL, PSY. At least 2 electives must be at the 800-level.

Sample Plan of Study

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
HMP 802	3.0 BST 555 or 559	3.0 EPI 560	3.0 VACATION	
HMP 810	3.0 HMP 811	3.0 HMP 814	1.5	
HMP 852	3.0 HMP 853	3.0 HMP 815	3.0	
PBHL 501 *	0.0 RCRG 600	0.0 Elective **	3.0	
Elective **	3.0 Elective **	3.0 Research Methods Selective	3.0	
	Research Methods Selective	3.0		
	12	15	13.5	0

Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
HMP 817	3.0 HMP 997	3.0 HMP 814	1.5 VACATION	
HMP 820	3.0 Electives	9.0 HMP 997	6.0	
Elective **	3.0	Implementation and Translation Science Selective	3.0	
Research Methods Selective	3.0	Elective **	3.0	
	12	12	13.5	0
Third Year				
Fall	Credits Winter	Credits Spring	Credits	
HMP 999	3.0-9.0 HMP 999	3.0-9.0 HMP 999	3.0-9.0	
Elective	3.0			
	6-12	3-9	3-9	

Total Credits 90-108

* PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

** Electives that are satisfied through 15.0 credits from a student's master's degree

Population Health Science

Major: Population Health Science

Degree Awarded: Master of Science (MS)

Calendar Type: Quarter

Minimum Required Credits: 45.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 45.0102

Standard Occupational Classification (SOC) code: 19-1042

About the Program

The Master of Science in Population Health Science provides students who already have a terminal degree (e.g., MD, PhD, DVD, as well as others) with the foundation to develop and maintain an independent research program in clinical and population health sciences. Students will undergo rigorous training in research methods with a focus on applying these methods to their area of expertise. The program is extremely flexible so that students can customize their learning to fit their research needs. Graduates will have the tools to build their research career in their area of specialization.

Major Competencies

- Critically evaluate the design of research studies, data collection methods, analysis methods, and results of published research
- Formulate appropriate research questions that are informed by underlying conceptual models
- Identify and apply appropriate descriptive and inferential statistical and epidemiologic methodologies to answer research questions in population health
- Effectively communicate statistical methods and research results orally and in writing across the spectrum of population health professionals
- Demonstrate an understanding of the ethics of scientific research on human subjects

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

Required Courses

BST 555	Introduction to Statistical Computing	3.0
BST 560	Intermediate Biostatistics I	3.0
BST 561	Design & Analysis of Clinical Trials	3.0

BST 571	Introduction to Biostatistics	3.0
BST 620	Intermediate Biostatistics II	3.0
BST 699	Data Analysis Project	6.0
or EPI 699	Master of Science Epidemiology Project	
EPI 560	Intermediate Epidemiology	3.0
EPI 570	Introduction to Epidemiology	3.0
EPI 803	Proposal Writing Seminar	3.0
PBHL 501	Introduction to Public Health *	0.0
RCRG 600	An Introduction to the Responsible Conduct of Research	0.0
Electives **		15.0
Total Credits		45.0

* Foundational Public Health Learning Objectives: PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

** Students choose from any BST, CHP, EOH, EPI, HMP, or PBHL course from the 500-999 level. Students can take additional 500-level or above electives across the university as long as they meet prerequisite and restriction requirements. Students can contact their faculty mentor to discuss elective options. Students can use elective credits to further focus their academic work by completing a graduate minor.

Sample Plan of Study

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 555	3.0 EPI 570	3.0 BST 560	3.0 VACATION	
BST 571	3.0 RCRG 600	0.0 BST 561	3.0	
PBHL 501 *	0.0 Electives	6.0 EPI 560	3.0	
Electives	3.0			
	9	9	9	0

Second Year

Fall	Credits Winter	Credits
BST 699 or EPI 699	3.0 BST 620	3.0
EPI 803	3.0 BST 699 or EPI 699	3.0
Electives	3.0 Electives	3.0
	9	9

Total Credits 45

* PBHL 501 is only required for students who do not have a degree from a CEPH accredited school.

Public Health MPH

Major: Public Health

Degree Awarded: Master of Public Health (MPH)

Calendar Type: Quarter

Minimum Required Credits: 56.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 51.2201

Standard Occupational Classification (SOC) code: 11-9111

About the Program

The Master of Public Health program provides students with the knowledge and skills they need to make a difference in today's public health world.

The MPH curriculum incorporates several key elements:

- Rigorous, state-of-the-art training in skills that students need to be effective public health leaders
- Flexible degree plans for full-time students and part-time options for online students
- Extensive opportunities for community, practice, and research engagement
- Graduate in less than 2 years, allowing for a head start in the job market

Foundational Competencies:

- Apply epidemiological methods to settings and situations in public health practice
- Select quantitative and qualitative data collection methods appropriate for a given public health context
- Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming, and software, as appropriate
- Interpret results of data analysis for public health research, policy, or practice
- Compare the organization, structure, and function of health care, public health, and regulatory systems across national and international settings
- Discuss the means by which structural bias, social inequities, and racism undermine health and create challenges to achieving health equity at organizational, community and systemic levels
- Assess population needs, assets, and capacities that affect communities' health
- Apply awareness of cultural values and practices to the design, implementation, or critique of public health policies or programs
- Design a population-based policy, program, project, or intervention
- Explain basic principles and tools of budget and resource management
- Select methods to evaluate public health programs
- Discuss the policy-making process, including the roles of ethics and evidence
- Propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcomes
- Advocate for political, social, or economic policies and programs that will improve health in diverse populations
- Evaluate policies for their impact on public health and health equity
- Apply leadership and/or management principles to address a relevant issue
- Apply negotiation and mediation skills to address organizational or community challenges
- Select communication strategies for different audiences and sectors
- Communicate audience-appropriate (i.e., non-academic, non-peer audience) public health content, both in writing and through oral presentation
- Describe the importance of cultural competence in communicating public health content
- Integrate perspectives from other sectors and/or professions to promote and advance population health
- Apply a systems thinking tool to visually represent a public health issue in a format other than standard narrative

Program Highlights (MPH)

Majors

MPH students select a major at the time of application.

Full-Time Majors:

- Community Health and Prevention (p. 12)
- Environmental and Occupational Health (p. 17)
- Epidemiology (p. 22)
- Global Health (p. 29)
- Health Management and Policy (p. 32)
- Urban Health (p. 44)

Part-Time Majors:

- Epidemiology (p. 22)
- Executive MPH (p. 42)
- Global Health (p. 29)
- Urban Health (p. 44)

Minors

Minors are open to all Drexel graduate students in all schools and colleges in quarter programs. The minors are designed to complement students' training by providing training in topics outside their primary discipline.

- Arts in Public Health (p. 51)
- Biostatistics (p. 52)
- Environmental and Occupational Health (p. 53)
- Global Health (p. 54)
- Health Economics (p. 55)

- Human Health Risk Assessment (p. 55)
- Infectious Disease and Population Health (p. 56)
- Latino/Immigrant Health (p. 58)
- Lesbian, Gay, Bisexual and Transgender (LGBT) Health (p. 58)
- Maternal and Child Health (p. 59)
- Program Monitoring and Evaluation (p. 60)
- Public Health Emergency Preparedness (p. 61)
- Public Health Ethics and History (p. 62)
- Social Justice Policy (p. 63)
- Substance Use and Misuse (p. 64)
- Urban Health (p. 64)

Curriculum (MPH)

Core Courses

All students gain foundational public health competencies by completing the core curriculum: PBHL 510 and PBHL 511 *Public Health Foundations and Systems I & II*, as well as EPI 570 *Introduction to Epidemiology*, BST 571 *Introduction to Biostatistics*, and HMP 505 *Qualitative Data and Mixed Methods Analysis*. These courses are designed to be taken at the beginning of the program. This format ensures that students will be exposed to the breadth and depth of knowledge and skills that all MPH graduates will need regardless of their chosen discipline.

Concentration Courses

Students will choose a discipline that provides in-depth training in a major field of study.

Applied Practical Experience

The applied practical experience (APE) is a supervised, hands-on opportunity to apply competencies in a public health practice setting. APE can begin after successful completion of PBHL 510 and PBHL 511.

Integrative Learning Experience

The integrative learning experience (ILE) is the culminating requirement for the MPH program. Although the specific ILE requirements vary by concentration, every student produces a high-quality written product at the end of the program that demonstrates synthesis and mastery of core public health and concentration competencies.

Additional Information

For more information about this program, please contact:

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

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

Additional information for online programs can be found on the Drexel University Online (<https://www.online.drexel.edu/online-degrees/public-health-degrees/master-public-health.aspx>) website, including admissions criteria and how to apply.

Executive Master of Public Health

Major: Public Health

Degree Awarded: Master of Public Health (MPH)

Calendar Type: Quarter

Minimum Required Credits: 56.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 51.2201

Standard Occupational Classification (SOC) code: 11-9111

About the Program

The Executive Master of Public Health (EMPH) is designed for working professionals and offers a convenient class schedule in which students can earn their degree in 21 months. Whether working in public health, a related health or social service setting, or seeking a career change, the EMPH is tailored

for individuals who are committed to advancing their careers and acquiring the knowledge and tools to advance to leadership roles in public health. The program is fast-paced, intensive, and demanding, but builds on each individual's former education, work experience, and skills.

The EMPH covers the major disciplines of public health, including community health and prevention, environmental and occupational health, epidemiology and biostatistics, and health management and policy, with a focus on public health practice. In addition to required public health core courses, EMPH students take additional required courses in policy, community assessment, urban health, and cohort-specific seminars. Students also choose from a range of electives based on their academic and professional interests. Students work together in the second year in their capstone course and complete an Applied Practice Experience which enables them to integrate real-world experience with classroom learning.

EMPH students are provided with mentoring and advising opportunities both by full-time School of Public Health faculty and public health practitioners.

Major Competencies

- Describe the importance of social capital and natural helpers when designing community-engaged public health strategies
- Analyze organizational challenges facing public health practice organizations
- Demonstrate critical, reflective thinking and writing skills that are needed to advance value-based public policies
- Weigh the roles of policymakers, citizens, and interest groups in shaping public health policy
- Translate and disseminate public health science for use by public health practitioners and policy makers

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 Drexel University Online (<https://www.online.drexel.edu/online-degrees/public-health-degrees/mph-executive/>) website, including admissions criteria and how to apply.

Degree Requirements

Core Courses

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

Major Courses

CHP 671	Community Organizing and Community Assessment for Health and Wellness	3.0
EOH 550	Introduction to Urban Health	3.0
HMP 660	Public Policy and Advocacy	3.0
HMP 667	Professional Seminar for the Executive MPH Program *	4.5

Applied Practical Experience

PBHL 500	Practical Experience for the Master of Public Health	0.0
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Integrative Learning Experience

HMP 752	EMPH Capstone I	2.5
HMP 753	EMPH Capstone II	2.5
HMP 754	EMPH Capstone III	2.5

Electives **

18.0

Total Credits

56.0

* HMP 667 is a 1.5-credit course taken 3 times for a total of 4.5-credits.

** Students choose from any **BST, CHP, EOH, EPI, HMP, or PBHL** course from the 500-999 level. Students can take additional 500-level or above electives across the university as long as they meet prerequisite and restriction requirements. Students can contact their faculty mentor to discuss elective options. Students can use elective credits to further focus their academic work by completing a graduate minor.

Sample Plan of Study

Part-time Sample Plan of Study

First Year				
Fall	Credits Winter	Credits Spring	Credits Summer	Credits
EOH 550	3.0 EPI 570	3.0 CHP 671	3.0 BST 571	3.0
HMP 667	1.5 HMP 667	1.5 HMP 505	3.0 HMP 660	3.0
PBHL 510	4.0 PBHL 511	4.0 HMP 667	1.5 PBHL 500	0.0
	8.5	8.5	7.5	6
Second Year				
Fall	Credits Winter	Credits Spring	Credits	
HMP 752	2.5 HMP 753	2.5 HMP 754	2.5	
Electives	6.0 Electives	6.0 Electives	6.0	
	8.5	8.5	8.5	

Total Credits 56

Urban Health

Major: Urban Health

Degree Awarded: Master of Public Health (MPH)

Calendar Type: Quarter

Minimum Required Credits: 56.0

Co-op Option: None

Classification of Instructional Programs (CIP) code: 51.2201

Standard Occupational Classification (SOC) code: 11-9111

About the Program

Students in the online Master of Public Health in Urban Health program learn how to develop culturally competent programs, policies, and solutions to contemporary urban health challenges, including built environment, healthy housing, and ecological concerns. Students will gain experience in epidemiological methods and program planning and evaluation. This program will provide students the skills, knowledge, and experience to develop a successful career in addressing today's urban health needs.

Major Competencies:

- Apply theories and frameworks from urban social sciences to identifying social and other determinants of health and developing solutions to major urban health problems
- Collaborate with other urban health professionals by developing a presentation and report that examines and describes the policies and programs that contribute to promoting the health of urban populations and reducing urban health inequalities
- Engage various constituencies including policymakers, community residents and leaders, civil society organizations, social movements, and public agencies in identifying and reducing health problems facing cities
- Apply an ecological model to an urban health program evaluation to identify appropriate solutions to the health problems of cities at the individual, family, community, municipal, regional, national, and global levels
- Assess population data to characterize patterns of health and disease and inequalities in health in urban populations and subpopulations

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 Drexel University Online website, including admissions criteria and how to apply.

Degree Requirements

Core Courses

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

Major Courses

CHP 673	Process Monitoring and Outcomes Evaluation for Community Health Programs	3.0
EOH 550	Introduction to Urban Health	3.0
EOH 642	Healthy Housing & Built Environment	3.0
EPI 563	Interprofessional Collaboration for Urban Health	3.0
EPI 633	Urban Inequality and Health: Theory, Evidence, and Action	3.0

Applied Practical Experience

PBHL 500	Practical Experience for the Master of Public Health	0.0
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Integrative Learning Experience

EOH 752	Urban Health Integrative Learning Experience Capstone	3.0
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Electives *		21.0
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Total Credits		56.0
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* Students choose from any **BST, CHP, EOH, EPI, HMP, or PBHL** course from the 500-999 level. Students can take additional 500-level or above electives across the university as long as they meet prerequisite and restriction requirements. Students can contact their faculty mentor to discuss elective options. Students can use elective credits to further focus their academic work by completing a graduate minor.

Sample Plan of Study**12-Month (4-Quarter) Full-Time**

	Summer	Credits
	BST 571	3.0
	EPI 570	3.0
	PBHL 510	4.0
	PBHL 511	4.0
		14

First Year

Fall	Credits Winter	Credits Spring	Credits
EOH 550	3.0 CHP 673	3.0 EOH 642	3.0
HMP 505	3.0 EPI 633	3.0 EOH 752	3.0
PBHL 500	0.0 Electives	9.0 EPI 563	3.0
Electives	9.0	Electives	3.0
	15	15	12

Total Credits 56

18-Month (5-Quarter) Full-Time**First Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
EOH 550	3.0 BST 571	3.0 EOH 642	3.0 PBHL 500	0.0
EPI 570	3.0 CHP 673	3.0 EPI 563	3.0	
PBHL 510	4.0 PBHL 511	4.0 HMP 505	3.0	
		Electives	3.0	
	10	10	12	0

Second Year

Fall	Credits Winter	Credits
Electives	12.0 EOH 752	3.0
	EPI 633	3.0
	Electives	6.0
	12	12

Total Credits 56

21-Month (6-Quarter) Full-Time**First Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
EOH 550	3.0 BST 571	3.0 EOH 642	3.0 PBHL 500	0.0
EPI 570	3.0 CHP 673	3.0 EPI 563	3.0	
PBHL 510	4.0 PBHL 511	4.0 HMP 505	3.0	
	10	10	9	0

Second Year

Fall	Credits Winter	Credits Spring	Credits
Electives	9.0 EPI 633	3.0 EOH 752	3.0
	Electives	6.0 Electives	6.0
	9	9	9

Total Credits 56

33-Month (9-Quarter) Part-Time**First Year**

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
EPI 570	3.0 BST 571	3.0 HMP 505	3.0 VACATION	
PBHL 510	4.0 PBHL 511	4.0 Electives	3.0	
	7	7	6	0

Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
EOH 550	3.0 CHP 673	3.0 EOH 642	3.0 PBHL 500	0.0
Electives	3.0 EPI 633	3.0 EPI 563	3.0	
	6	6	6	0

Third Year

Fall	Credits Winter	Credits Spring	Credits
Electives	6.0 Electives	6.0 EOH 752	3.0
		Electives	3.0
	6	6	6

Total Credits 56

Law / Health Management and Policy*Major: Law / Health Management and Policy**Degree Awarded: Juris Doctor (JD) and Master of Public Health (MPH)**Calendar Type: Quarter (MPH); Semester (JD)**Minimum Required Credits: 126.0 (47 quarter MPH credits and 79 semester JD credits)**Co-op Option: Available for full-time on-campus graduate students**Classification of Instructional Programs (CIP) code: 22.0208**Standard Occupational Classification (SOC) code: 23-1011***About the Program**

The dual degree in law and public health allows highly motivated students to take courses at Drexel's Thomas R. Kline School of Law and Dornsife School of Public Health and earn degrees from both. They acquire basic skills in both disciplines and gain a unique perspective on their intersection. The first year of study is at the Law School, where students complete the standard first-year curriculum. They take full-time public health courses during either their second or third year at their option. At the Dornsife School of Public Health, they major in Health Management and Policy for the MPH, learning the skills necessary for management and policy-making roles in health care delivery and population health. After completing the MPH curriculum, students return to the Law School to complete the law curriculum. As part of their studies, they take a co-op in a public health law setting and complete a related public health project. Students typically finish both programs in three-and-a-half years.

Students are awarded the JD and MPH degrees at the end of the dual degree program once all degree requirements for the JD and MPH are completed.

Additional Information

For more information about this program, please contact:

Academic Advising Team
Office of Education
Dornsife School of Public Health
dsphadvising@drexel.edu

Theresa Gallo
Assistant Dean of Academic & Student Services
Thomas R. Kline School of Law

tg337@drexel.edu

Additional information can be found on the Dornsife School of Public Health website, including admissions criteria and how to apply.

Degree Requirements

Please note that the credits for the LAW courses are shown in semester credits, and the Public Health courses are shown in quarter credits. The JD/MPH joint program requires the completion of 56.0 quarter credits in Public Health and 85.0 semester credits in Law. However 6.0 semester elective credits and 9.0 quarter elective credits are shared.

Required Law Courses

LAW 550S	Torts	4.0
LAW 552S	Contracts	4.0
LAW 554S	Civil Procedure	4.0
LAW 555S	Legislation and Regulation	3.0
LAW 556S	Property	4.0
LAW 558S	Criminal Law	4.0
LAW 560S	Constitutional Law	4.0
LAW 565S	Legal Methods I	3.0
LAW 566S	Legal Methods II	3.0
LAW 830S	Professional Responsibility	2.0-3.0
LAW 780S	Health Care Quality Regulation	3.0
LAW 781S	Health Care Business Regulation	3.0

Law Electives and Menu Requirements (43.0-44.0 credits total; 6.0 of which are satisfied by HMP 500, HMP 501, HMP 511) 38.0-37.0

One Upper-Level Writing Course (WUL)

One Statutory Course

One Professional Practice Course

Required Public Health Courses

Core Courses

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

Major Courses

HMP 500	Health Management and Policy I	3.0
HMP 501	Health Management and Policy II	3.0
HMP 550	Health Disparities: Systemic, Structural, Environmental & Economic	3.0

Policy Selective

HMP 511	Legal Aspects of Public Health	3.0
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Management Selective (select one)

HMP 512	The Business of Healthcare: Advanced Healthcare Financial Management	3.0
HMP 516	Health Care Organizations and Management	3.0
HMP 650	Management of Healthcare Outcomes	3.0

Social Justice/Equity Selective (select one)

HMP 519	Maternal & Child Health Policy	3.0
HMP 551	Historical and Contemporary Developments in Social Justice	3.0
HMP 555	Violence, Trauma and Adversity in Public Health	3.0
HMP 557	Public Health and the Complexity of Mental Health Policy: Exploring Past, Present, and Future	3.0
HMP 600	Public Health Advocacy and Activism	3.0
HMP 602	The Politics of Food & Gender	3.0
HMP 603	Health Systems Policy Analysis	3.0
HMP 610	Abolition Frameworks for Public Health: Transformative Policies for a New Society	3.0
HMP 661	Disability and Measurement	3.0
HMP 662	Medicaid and Disability Policy	3.0

Applied Practical Experience

PBHL 500	Practical Experience for the Master of Public Health	0.0
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Integrative Learning Experience

HMP 750	Integrative Learning Experience	3.0
HMP 751	Integrative Learning Experience II	3.0

Public Health Electives

15.0 credits of electives, 9.0 of which are satisfied by LAW 780S and LAW 781S

BST 500 - 999

CHP 500 - 999	
EOH 500 - 999	
EPI 500 - 999	
HMP 500 - 999	
PBHL 500 - 999	
Total Credits	126.0

* Required as Policy Selective for JD/MPH students

Upper-Level Writing (WUL) Courses (may also be used as electives once requirement is fulfilled):

LAW 610S	Reproductive Rights & Justice	2.0-3.0
LAW 611S	Sex, Gender, & the Law	3.0
LAW 614S	Supreme Court Seminar	3.0
LAW 640S	Education Law	2.0-3.0
LAW 647S	The Rights of Children	2.0
LAW 656S	Justice Lawyering Sem	1.0-3.0
LAW 673S	Crime and Community	2.0
LAW 741S	Estate Planning	2.0
LAW 790S	Toxic Torts	2.0
LAW 791S	Regulating Patient Safety	2.0
LAW 793S	Mental Health Law	3.0
LAW 827S	Immigration Litigation	2.0
LAW 832S	Contract Theory Seminar	2.0-3.0
LAW 836S	Legal History	2.0-3.0
LAW 838S	Foundations of Legal Analysis	2.0
LAW 840S	Literature and The Law Seminar	2.0
LAW 842S	Law and Mind Sciences	2.0
LAW 844S	Law and Social Movements	3.0
LAW 848S	Courts and Public Policy	2.0-3.0
LAW 882S	Litigation Drafting	2.0
LAW 884S	Contract Drafting	2.0
LAW 910S	Appellate Advocacy	2.0
LAW 920S	Drexel Law Review	1.0-6.0
LAW T880S	Special Topics in LAW	1.0-5.0

Statutory Courses (may also be used as electives once requirement is fulfilled):

LAW 620S	Administrative Law	4.0
LAW 622S	Employment Discrimination	3.0
LAW 623S	Election Law	3.0
LAW 624S	Environmental Law	3.0
LAW 642S	Special Education Law	2.0-3.0
LAW 674S	Health Care Fraud and Abuse	2.0
LAW 675S	Federal Criminal Law	2.0-3.0
LAW 676S	White Collar Crime	2.0-3.0
LAW 700S	Business Organizations	3.0-4.0
LAW 701S	Federal Income Tax	4.0
LAW 702S	Enterprise Tax	4.0
LAW 706S	Secured Transactions	3.0
LAW 708S	Payment Systems	3.0
LAW 710S	Bankruptcy	3.0-4.0
LAW 711S	Sales	3.0
LAW 714S	Securities Regulation	3.0
LAW 740S	Trusts and Estates	3.0
LAW 760S	Copyright	3.0
LAW 764S	Trademarks & Unfair Competition	3.0
LAW 792S	Food and Drug Law	3.0
LAW 796S	Insurance Law	2.0
LAW 820S	Immigration Law	3.0-4.0
LAW 821S	European Union Law	2.0-3.0
LAW 826S	Refugee and Asylum Law	2.0

Professional Practice Courses (may also be used as electives once requirement is fulfilled):

LAW 924S & LAW 653S	Entrepreneurial Law Clinic and Entrepreneurial Law Clinic Seminar	7.0
LAW 931S & LAW 654S	Law Co-op and Lawyering Practice Seminar	8.0-9.0
LAW 933S & LAW 654S	Co-op Intensive and Lawyering Practice Seminar	12.0
LAW 941S & LAW 942S	Criminal Litigation Clinic I and Criminal Litigation Clinic II	12.0
LAW 943S & LAW 944S	Civil Litigation Clinic I and Civil Litigation Clinic II	12.0
LAW 947S & LAW 948S	Federal Litigation and Appeals Clinic and Federal Litigation and Appeals Clinic II	12.0
LAW 950S & LAW 951S	Community Lawyering Clinic I and Community Lawyering Clinic II	12.0

Free Electives (may require permission to enroll)

Any other unspecified LAW course numbered 550S and above may count as a JD elective

Sample Plan of Study

MPH After Law Year 2

First Year

Fall	Credits	Spring	Credits Summer	Credits
LAW 550S	4.0	LAW 555S	3.0 VACATION	
LAW 552S	4.0	LAW 556S	4.0	
LAW 554S	4.0	LAW 558S	4.0	
LAW 565S	3.0	LAW 566S	3.0	
	15		14	0

Second Year

Fall	Credits	Spring	Credits Summer	Credits
LAW 560S	4.0	LAW 830S (recommended term)	2.0-3.0 LAW 654S	2.0
LAW 780S	3.0	LAW 781S	3.0 LAW 931S	7.0
Law Electives/Menu Requirements	7.0	Law Electives/Menu Requirements	10.0-9.0	
	14		15	9

Third Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 571	3.0 EPI 570	3.0 HMP 505	3.0 VACATION	
HMP 500	3.0 HMP 501	3.0 HMP 751	3.0	
HMP 550	3.0 HMP 511	3.0 PBHL 500	0.0	
PBHL 510	4.0 HMP 750	3.0 PH Electives	6.0	
Management Selective	3.0 PBHL 511	4.0 Social Justice/Equity Selective	3.0	
	16	16	15	0

Fourth Year

Fall	Credits
Law Electives	12.0
	12

Total Credits 126

MPH After Law Year 1

First Year

Fall	Credits	Spring	Credits Summer	Credits
LAW 550S	4.0	LAW 555S	3.0 VACATION	
LAW 552S	4.0	LAW 556S	4.0	
LAW 554S	4.0	LAW 558S	4.0	
LAW 565S	3.0	LAW 566S	3.0	
	15		14	0

Second Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
BST 571	3.0 EPI 570	3.0 HMP 505	3.0 VACATION	
HMP 500	3.0 HMP 501	3.0 HMP 751	3.0	
HMP 550	3.0 HMP 511	3.0 PBHL 500	0.0	

PBHL 510	4.0 HMP 750	3.0 PH Electives	6.0	
Management Selective	3.0 PBHL 511	4.0 Social Justice/Equity Selective	3.0	
16		16		0
Third Year				
Fall	Credits	Spring	Credits Summer	Credits
LAW 560S	4.0	LAW 781S	3.0 LAW 654S	2.0
LAW 780S	3.0	LAW 830S	2.0-3.0 LAW 931S	7.0
Law Electives / Menu Requirements	7.0	Law Electives/Menu Requirements	10.0-9.0	
14		15		9
Fourth Year				
Fall	Credits			
Law Electives	12.0			
12				
Total Credits 126				

Public Health MD/MPH

Major: Public Health/Medicine

Degree Awarded: Medical Doctor (MD) and Master of Public Health (MPH)

Calendar Type: Quarter

Minimum Required Credits: 56.0 quarter credits for MPH

Co-op Option: None

Classification of Instructional Programs (CIP) code: 51.2201

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

About the Program

Drexel University College of Medicine offers a five-year dual degree with Drexel University's Dornsife School of Public Health for students to pursue both a medical degree and a master's degree in public health. Most MD/MPH students complete a year of MPH coursework between the 3rd and 4th year of medical school.

In this program, students learn to be physicians with a public-health orientation. The program, built on a foundation of health and human rights, provides strong interdisciplinary training in clinical medicine and population health sciences, including community health and prevention, health care management and policy, epidemiology, biostatistics, and environmental health. Students will choose one of the existing MPH majors to pursue and will complete the selected major requirements.

Students are awarded the MD and MPH degrees at the end of the dual degree program once all degree requirements for the MD and MPH are completed.

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.

Degree Requirements

Program Requirements

Shared credits with DUCOM for medical school coursework completed		12.0
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 500	Practical Experience for the Master of Public Health	0.0
PBHL 510	Public Health Foundations and Systems I	4.0
PBHL 511	Public Health Foundations and Systems II	4.0
Major Courses, Electives, and Integrative Learning Experience*		27.0
Total Credits		56.0

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

Sample Plan of Study

First Year		Credits		Credits	
Fall		Spring		Credits	
Drexel University College of Medicine Coursework		Drexel University College of Medicine Coursework			
	0				0
Second Year		Credits		Credits	
Fall		Spring		Credits	
Drexel University College of Medicine Coursework		Drexel University College of Medicine Coursework			
	0				0
Third Year		Credits		Credits	
Fall		Spring		Credits	
Clinical Rotations - 3rd year Clerkships		Clinical Rotations - 3rd year Clerkships			
	0				0
Fourth Year		Credits		Credits	
Fall	Credits Winter	Credits Spring		Credits	
BST 571	3.0 EPI 570	3.0 HMP 505			3.0
PBHL 510	4.0 PBHL 511	4.0 PBHL 500			0.0
Major Courses, Electives, and Integrative Learning Experience	9.0 Major Courses, Electives, and Integrative Learning Experience	9.0 Major Courses, Electives, and Integrative Learning Experience			9.0
Shared credits with DUCOM for medical school coursework completed	12.0				
	28	16			12
Fifth Year		Credits		Credits	
Fall		Spring		Credits	
4th Year Medical Rotations		4th Year Medical Rotations			
	0				0
Total Credits 56					

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

Graduate Minor in Arts in Public Health

About the Graduate Minor

Arts have long been linked to creativity, change and the power to transform lives. The Dornsife School of Public Health's graduate minor in Arts in Public Health focuses on the vitality and power of arts to transform individuals, neighborhoods, communities, and societies. With an emphasis on community and social transformation, the minor builds on the City of Philadelphia's renowned and longstanding commitment to community-based arts.

As the first U.S. school of public health with a minor in Arts in Public Health, the Dornsife program is built on an unflinching commitment to justice, equity and human rights and emphasizes the necessity for activism, citizen engagement and multi-sector collaboration. With innovation and imagination at its center, the program integrates knowledge, action, research, and policy and includes a required practice-based course that offers students an opportunity to work with a community-based arts organization.

Admission Requirements

Graduate minors are designed to complement students' training by providing basic knowledge in topics outside their primary discipline. All matriculated graduate students in quarter programs are eligible to enroll.

Students must receive approval from their home program, the Dornsife School of Public Health, and the Arts in Public Health program director and complete the necessary paperwork with the DSPH Academic Advising Team.

Program Requirements

Required Courses

CHP 530	Arts for Community Health and Wellbeing	3.0
CHP 531	Community-Engaged Practice in Arts and Community Health	3.0
Electives (Choose Two)		6.0

Dornsife School of Public Health

CHP 560	Design and Grant Writing for Community Health Programs
CHP 670	Multicultural Competence in Community Health and Prevention
CHP 671	Community Organizing and Community Assessment for Health and Wellness
CHP 683	Intersectional Perspectives
CHP 692	Migration and Health
CHP 802	Theory & Practice of Community Health and Prevention II
CHP 804	Qualitative Research in Community Health
CHP 806	Community Based Participatory Research
EPI 563	Interprofessional Collaboration for Urban Health
EOH 550	Introduction to Urban Health
HMP 550	Health Disparities: Systemic, Structural, Environmental & Economic
HMP 555	Violence, Trauma and Adversity in Public Health
HMP 600	Public Health Advocacy and Activism
HMP 802	Health and Human Rights

Antoinette Westphal College of Media Arts and Design

AADM 741	Arts Entrepreneurship
AADM 745	Arts in Education
AADM 746	Creative Placemaking
AADM 755	Community Cultural Planning
AADM 757	Political Activism in the Arts
URBS 610	Civic Engagement & Participatory Methods
URBS 650	Urbanism, Health & the Built Environment

College of Nursing and Health Professions

CATX 501	Foundations of Creative Arts Therapies
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Center for Food and Hospitality Management

FOOD 605	Culture and Gastronomy
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School of Education

CRTV 501	Foundations in Creativity
CRTV 502	Tools and Techniques in Creativity
CRTV 660	Diagnostic Creative Intervention

Total Credits**12.0**

Additional electives may count towards the minor with program director approval.

Additional Information

For more information about this graduate minor, please contact:

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

Rabbi Nancy E. Epstein
Professor, Dept. of Community Health and Prevention
Program Director, Arts in Public Health Graduate Minor
nee22@drexel.edu

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

Graduate Minor in Biostatistics

About the Graduate Minor

Biostatistics is a growing discipline with numerous employment opportunities for those trained in the field. This graduate minor provides a foundation in biostatistics for students with majors in other fields, allowing the student to broaden their skillset, expanding employment opportunities upon graduation.

Admission Requirements

Graduate minors are designed to complement students' training by providing basic knowledge in topics outside their primary discipline. All matriculated graduate students in quarter programs, except for students pursuing the MS in Biostatistics and PhD in Biostatistics, are eligible to enroll.

Please note several classes have prerequisite requirements, including BST 560.

Students must receive approval from their home program and the Dornsife School of Public Health and complete the necessary paperwork with the DSPH Academic Advising Team.

Program Requirements

Required Courses

BST 555	Introduction to Statistical Computing	3.0
BST 560	Intermediate Biostatistics I	3.0
Selective (Choose 1)		3.0
BST 553 or BST 557	Longitudinal Data Analysis Survival Data Analysis	
Electives (Choose 2)		6.0-7.0
BST 553	Longitudinal Data Analysis *	
BST 557	Survival Data Analysis *	
BST 558	Applied Multivariate Analysis	
BST 559	Intermediate SAS	
BST 561	Design & Analysis of Clinical Trials	
BST 568	Nonparametric and Semiparametric Models	
BST 569	Linear Statistical Models	
BST 570	Generalized Linear Models	
BST 604	Applied Bayesian Analysis	
BST 620	Intermediate Biostatistics II	
EPI 564	Data Science Using R	
Total Credits		15.0-16.0

* Note: Whichever course is not selected as a selective is eligible to be an elective.

Additional Information

For more information about this graduate 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/minors/>) website.

Graduate Minor in Environmental and Occupational Health

About the Graduate Minor

Graduate students in the Environmental and Occupational Health minor gain skills and knowledge to assess and prevent health impacts from air and drinking water pollutants, climate change, the built environment, and workplace hazards. The minor will deepen a student's learning experience and provide them with a distinctive skill set to help address complex, emerging environmental health issues.

Admission Requirements

Graduate minors are designed to complement students' training by providing basic knowledge in topics outside their primary discipline. All matriculated graduate students in quarter programs, except for students pursuing the MPH in Environmental and Occupational Health, the MS in Environmental and Occupational Health Sciences, or the PhD in Environmental and Occupational Health, are eligible to enroll.

Students must receive approval from their home program and the Dornsife School of Public Health and complete the necessary paperwork with the DSPH Academic Advising Team.

Program Requirements

Required Course

EOH 510	Principles and Practice of Environmental and Occupational Health	3.0
Electives		9.0
Choose three of the following courses:		
EOH 550	Introduction to Urban Health	
EOH 563	Injury Prevention and Control	
EOH 564	Safety in Healthcare	
EOH 580	Fundamentals of Industrial Hygiene	

EOH 605	Evidence Evaluation for Identification of Environmental Hazards
or EOH 805	Evidence Evaluation for Identification of Environmental Hazards
EOH 610	Environmental and Occupational Toxicology
or EOH 810	Environmental and Occupational Toxicology
EOH 612	Environmental Exposure Science
or EOH 812	Environmental Exposure Science
EOH 615	Environmental and Occupational Health Policy
or EOH 815	Environmental and Occupational Health Policy
EOH 625	Occupational and Environmental Epidemiology
or EOH 825	Occupational and Environmental Epidemiology
EOH 642	Healthy Housing & Built Environment
EOH 646	Environmental Health in Vulnerable Populations
EOH 648	Public Health and Disaster Preparedness
EOH 649	Occupational and Environmental Cancers
EOH 650	Microbes in Public Health Practice I: Overview of Bacterial Pathogens
EOH 651	Microbes in Public Health Practice II: Overview of Viral and Other Pathogens
EOH 655	Infection Prevention and Control in the Healthcare Environment
EOH 657	Public Health Impacts of Global Climate Change
EOH 658	Crisis and Risk Communication in Public Health
EOH 665	Quantitative Risk Analysis for Environmental Health
EOH 710	Advanced Methods in GIS for Public Health
EOH 725	Seminar in Environmental Epidemiology
or EOH 830	Seminar in Environmental Epidemiology
EOH 835	Occupational Health Psychology

Total Credits

12.0

Additional Information

For more information about this graduate minor, contact:

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

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

Graduate Minor in Global Health

About the Graduate Minor

The graduate minor in Global Health is intended for graduate students who are interested in gaining knowledge and skills in global health. Students are required to take one foundational course and three elective courses and will gain global health competencies.

Admission Requirements

Graduate minors are designed to complement students' training by providing basic knowledge in topics outside their primary discipline. All matriculated graduate students in quarter programs, except for students pursuing the MS in Global Health and MPH in Global Health, are eligible to enroll.

Students must receive approval from their home program and the Dornsife School of Public Health and complete the necessary paperwork with the DSPH Academic Advising Team.

Program Requirements

Required Course

CHP 561	Overview of Issues in Global Health	3.0
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Electives *

9.0

CHP 518	Global Issues in Maternal and Child Health
CHP 660	Global Health Ethics
CHP 661	Monitoring and Evaluation in Global Health Programs and Advocacy
CHP 681	Research with Rare, Stigmatized and Hidden Populations
CHP 682	LGBT Health Disparities
CHP 683	Intersectional Perspectives
CHP 692	Migration and Health
EOH 646	Environmental Health in Vulnerable Populations

EOH 648	Public Health and Disaster Preparedness	
EOH 657	Public Health Impacts of Global Climate Change	
HMP 603	Health Systems Policy Analysis	
Total Credits		12.0

* Additional courses may count towards the elective requirement with Program Director approval.

Additional Information

For more information about this graduate 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/minors/>) website.

Graduate Minor in Health Economics

About the Graduate Minor

The graduate minor in Health Economics is designed by the Dornsife School of Public Health in partnership with the LeBow College of Business to give graduate students economic-based skills to assess health, healthcare services, policies, and interventions. Students are required to take two core health economics courses and select two additional courses to develop additional economic understanding.

Admission Requirements

Graduate minors are designed to complement students' training by providing basic knowledge in topics outside their primary discipline. All matriculated graduate students in quarter programs are eligible to enroll.

Students must receive approval from their home program and the Dornsife School of Public Health and complete the necessary paperwork with the DSPH Academic Advising Team.

Program Requirements

Required Coursework

HMP 852	Health Economics I	3.0
HMP 853	Health Economics II	3.0
Electives (select two)		6.0
ECON 540	Intro to Econometrics and Data Analysis	
ECON 550	Econometrics	
ECON 601	Managerial Economics	
ECON 610	Microeconomics	
ECON 616	Public Finance and Cost Benefit Analysis	
HMP 815	Cost Benefit Analysis for Health Services	
STAT 601	Business Statistics	
STAT 610	Statistics for Business Analytics	

Total Credits

12.0

Additional Information

For more information about this graduate 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/minors/>) website.

Graduate Minor in Human Health Risk Assessment

About the Graduate Minor

Risk assessments are performed to evaluate and quantify human health risks from hazardous environmental exposures, often to support decision-making or regulation. Exposures of importance include chemicals, radiation, and infectious agents. The graduate minor in Human Health Risk

Assessment is designed to give graduate students who are specializing in public health, engineering, or other fields the knowledge and technical skills needed to conduct introductory-level risk assessments. Evidence evaluation and quantitative risk analysis will be taught, utilizing data from case studies of hazards in the environment (water and air), the workplace, food, and consumer products. Students will have the opportunity to apply risk assessment approaches to an independent project in the culminating course of the program.

Admission Requirements

Graduate minors are designed to complement students' training by providing basic knowledge in topics outside their primary discipline. All matriculated graduate students in quarter programs are eligible to enroll. Completion of a college-level statistics course with a grade of C or higher is recommended for this minor.

Students must receive approval from their home program and the Dornsife School of Public Health and complete the necessary paperwork with the DSPH Academic Advising Team.

Program Requirements

Required Courses *		9.0
EOH 605	Evidence Evaluation for Identification of Environmental Hazards	
or EOH 805	Evidence Evaluation for Identification of Environmental Hazards	
EOH 665	Quantitative Risk Analysis for Environmental Health	
or ENVE 727	Risk Assessment	
EOH 695	Applied Human Health Risk Assessment	
Elective (Choose One) **		3.0
BST 551	Statistical Inference I	
CHP 500	Behavior and Social Change Theories	
ENVE 750	Data-based Engineering Modeling	
ENVP 572	Environmental Policy	
ENVS 506	Biostatistics	
ENVS 572	Environmental Assessment	
EOH 510	Principles and Practice of Environmental and Occupational Health	
EOH 610	Environmental and Occupational Toxicology	
or EOH 810	Environmental and Occupational Toxicology	
EOH 612	Environmental Exposure Science	
or EOH 812	Environmental Exposure Science	
EOH 615	Environmental and Occupational Health Policy	
or EOH 815	Environmental and Occupational Health Policy	
EOH 625	Occupational and Environmental Epidemiology	
or EOH 825	Occupational and Environmental Epidemiology	
EOH 658	Crisis and Risk Communication in Public Health	
EPI 570	Introduction to Epidemiology	
HMP 500	Health Management and Policy I	
Total Credits		12.0

* Completion of a college-level statistics course with a grade of C or higher is recommended for this minor.

** Students may substitute another elective for those in the elective list, with Program Director approval.

Additional Information

For more information about this graduate 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/minors/>) website.

Graduate Minor in Infectious Disease and Population Health

About the Graduate Minor

The graduate minor in Infectious Disease and Population Health trains students in population-based approaches to infectious disease control. The minor prepares students to work in health care settings, public health agencies, the pharmaceutical sector, and other organizations engaged in work related to the prevention and control of infectious diseases. Required courses in microbiology and selectives in infectious disease epidemiology, health-care associated infections, and health surveillance may be supplemented by electives in epidemiology, health communication, management and leadership,

and patient safety. The courses in this minor provide a bridge to the student's discipline-specific major and opportunities to acquire skills needed in the workplace.

For students interested in pursuing a career in infectious disease in either the health care or public health sector, it is recommended that students complete an applied experience through an internship or a research project in an appropriate workplace setting.

Admission Requirements

Graduate minors are designed to complement students' training by providing basic knowledge in topics outside their primary discipline. All matriculated graduate students in quarter programs are eligible to enroll. It is highly recommended that students have taken college-level biology and immunology classes.

Students must receive approval from their home program and the Dornsife School of Public Health and complete the necessary paperwork with the DSPH Academic Advising Team.

Program Requirements

Required Courses

EOH 650	Microbes in Public Health Practice I: Overview of Bacterial Pathogens	3.0
EOH 651	Microbes in Public Health Practice II: Overview of Viral and Other Pathogens	3.0

Selectives

3.0

Choose one or two selective classes (3 or 6 credits)

EOH 655	Infection Prevention and Control in the Healthcare Environment
EPI 553	Infectious Disease Epidemiology
EPI 561	Pathophysiologic Basis of Epidemiologic Research
EPI 569	Disease Outbreak Investigations
EPI 610	Public Health Surveillance

Elective (if only choosing 1 selective) *

3.0

CHP 561	Overview of Issues in Global Health
CHP 605	Outcomes and Impact Evaluation
or CHP 805	Outcomes and Impact Evaluation
CHP 607	Public Health Ethics
or CHP 807	Public Health Ethics
CHP 672	Theory and Practice in Health Communication
CHP 673	Process Monitoring and Outcomes Evaluation for Community Health Programs
EOH 563	Injury Prevention and Control
EOH 564	Safety in Healthcare
EOH 580	Fundamentals of Industrial Hygiene
EOH 610	Environmental and Occupational Toxicology
EOH 612	Environmental Exposure Science
EOH 615	Environmental and Occupational Health Policy
EOH 625	Occupational and Environmental Epidemiology
EOH 648	Public Health and Disaster Preparedness
EOH 657	Public Health Impacts of Global Climate Change
EOH 658	Crisis and Risk Communication in Public Health
EOH 665	Quantitative Risk Analysis for Environmental Health
EPI 552	Epidemiology for Public Health Practice
EPI 560	Intermediate Epidemiology
EPI 561	Pathophysiologic Basis of Epidemiologic Research
EPI 562	The Changing US HIV Epidemic and the Responses of Affected Communities
HMP 513	Healthcare Planning Principles and Practice
HMP 515	Health Organizational Leadership
HMP 516	Health Care Organizations and Management
HMP 603	Health Systems Policy Analysis
HMP 650	Management of Healthcare Outcomes
HMP 657	Health Care Strategy and Operations: Creating Change

Total Credits

12.0

* Additional courses may count towards the elective requirement with program approval.

Additional Information

For more information about this graduate 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/minors/>) website.

Graduate Minor in Latino and Immigrant Health

About the Graduate Minor

Globalization, economic inequalities, civil unrest, terrorism, climate change, and other factors are resulting in ever-larger global population movements with significant public health implications for nations at all stages of migration pathways.

The Latino and Immigrant Health graduate minor allows students to explore the unique public health needs of immigrant and migrant communities with emphasis on, but not limited to, Latino immigrants to the United States. Coursework will cover priority health issues and health disparities affecting migrant and immigrant populations, the public health implications of international migration, explanatory and intervention theories of immigration and immigrant health, and intervention approaches to improve the health of migrants in communities of origin, transit, and destination. The minor also addresses key methodological and ethical issues related to conducting research and practicing public health among foreign-born and mobile populations. The minor emphasizes the unique health concerns of Latino immigrants in the United States and reviews successful strategies to work with Latino communities along the migration continuum.

Admission Requirements

Graduate minors are designed to complement students' training by providing basic knowledge in topics outside their primary discipline. All matriculated graduate students in quarter programs are eligible to enroll.

Students must receive approval from their home program and the Dornsife School of Public Health and complete the necessary paperwork with the DSPH Academic Advising Team.

Program Requirements

Required Courses:

CHP 681	Research with Rare, Stigmatized and Hidden Populations	3.0
CHP 683	Intersectional Perspectives	3.0
CHP 691	Public Health Practice in and with Latino Communities	3.0
CHP 692	Migration and Health	3.0
Total Credits		12.0

Additional Information

For more information about this graduate 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/minors/>) website.

Graduate Minor in Lesbian, Gay, Bisexual and Transgender (LGBT) Health

About the Graduate Minor

Lesbian, Gay, Bisexual, and Transgender (LGBT) populations hold a unique set of health concerns often unrecognized in standard health and public health practice. The graduate minor in LGBT Health focuses on these concerns recognizing the greater burden of disease these populations sometimes experience as well as the protective characteristics these communities often possess. The minor will review the current state of knowledge about LGBT health and critique research methods used to study sexual and gender minorities.

Admission Requirements

Graduate minors are designed to complement students' training by providing basic knowledge in topics outside their primary discipline. All matriculated graduate students in quarter programs are eligible to enroll.

Students must receive approval from their home program and the Dornsife School of Public Health and complete the necessary paperwork with the DSPH Academic Advising Team.

Program Requirements

Required Courses

CHP 681	Research with Rare, Stigmatized and Hidden Populations	3.0
CHP 684	Sexual Orientations And Health	3.0
CHP 685	Genders And Sexes And Health	3.0
Elective (Select one)		3.0
CHP 500	Behavior and Social Change Theories	
CHP 501	Community Engagement in Public Health Practice & Research	
CHP 503	Multi-Method Data Analysis in Community Health & Prevention	
CHP 607	Public Health Ethics	
CHP 671	Community Organizing and Community Assessment for Health and Wellness	
CHP 683	Intersectional Perspectives	
EOH 550	Introduction to Urban Health	
EPI 563	Interprofessional Collaboration for Urban Health	
HMP 551	Historical and Contemporary Developments in Social Justice	
HMP 555	Violence, Trauma and Adversity in Public Health	

Total Credits

12.0

Additional Information

For more information about this graduate 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/minors/>) website.

Graduate Minor in Maternal and Child Health

About the Graduate Minor

The Maternal and Child Health (MCH) graduate minor is designed to prepare students for work to improve the health of women, infants, children, adolescents, and families. The minor takes a life-course perspective and focuses on areas such as MCH policy and advocacy, global health, health equity, cultural competency, women's reproductive health, perinatal epidemiology, adolescent health, LGBTQ+ health, children and youth with special health care needs, family-centered maternal and pediatric care, breast feeding, nutrition, health communication, program evaluation, and health disparities.

Students in this minor program will be assigned a faculty advisor from the school's MCH program, a multidisciplinary coalition of faculty, community partners, and students with backgrounds in community health and prevention, health management and policy, epidemiology, environmental and occupational health, nursing, nutrition, social work, and medicine based on mutual student and faculty interest. Students in the MCH graduate minor program are designated as MCH Catalyst Trainees through the MCH Public Health Catalyst Training Program (<https://mchb.hrsa.gov/training/projects.asp?program=31>) at the Dornsife School of Public Health. This training program is supported by the Maternal and Child Health Bureau (MCHB) at the Health Resources and Services Administration (HRSA), U.S. Department of Health and Human Services. Opportunities for MCH Trainees include learning and social opportunities with others interested in MCH, mentorship, MCH career networking events, student leadership positions in the MCH student groups, MCH research and service opportunities, participation in national MCH internships and conferences, networking opportunities with MCH professionals and trainees across the country, and an array of MCH-focused events including MCH Speaker Series, Journal Clubs, Leadership Workshops/Projects, and Symposia.

Students develop skills in critical thinking, application, and analysis of maternal and child health issues through achieving nationally recognized MCH Leadership Competencies (<https://mchb.hrsa.gov/training/leadership-00.asp>). As MCH Catalyst Trainees, students in this program will also be afforded additional MCH opportunities both within Drexel and nationally through HRSA/MCHB. Graduates of this training program are poised for entry into the MCH workforce or related doctoral programs.

Admission Requirements

Graduate minors are designed to complement students' training by providing basic knowledge in topics outside their primary discipline. All matriculated graduate students in quarter programs are eligible to enroll.

Students must receive approval from their home program and the Dornsife School of Public Health and complete the necessary paperwork with the DSPH Academic Advising Team.

Program Requirements

Required Course			
CHP 517	Overview of Maternal and Child Health	3.0	
Selective (Choose One)			
CHP 518	Global Issues in Maternal and Child Health	3.0	
HMP 519	Maternal & Child Health Policy		
Electives (Choose two)			
CHP 501	Community Engagement in Public Health Practice & Research	6.0	
CHP 518	Global Issues in Maternal and Child Health		
CHP 561	Overview of Issues in Global Health		
CHP 670	Multicultural Competence in Community Health and Prevention		
CHP 671	Community Organizing and Community Assessment for Health and Wellness		
CHP 672	Theory and Practice in Health Communication		
CHP 673	Process Monitoring and Outcomes Evaluation for Community Health Programs		
CHP 681	Research with Rare, Stigmatized and Hidden Populations		
CHP 682	LGBT Health Disparities		
CHP 683	Intersectional Perspectives		
EOH 642	Healthy Housing & Built Environment		
EOH 646	Environmental Health in Vulnerable Populations		
EPI 552	Epidemiology for Public Health Practice		
EPI 556	Perinatal Epidemiology		
EPI 572	Design and Analysis of Epidemiological Studies		
HMP 510	Evolution of United States Health Policy		
HMP 511	Legal Aspects of Public Health		
HMP 519	Maternal & Child Health Policy		
HMP 550	Health Disparities: Systemic, Structural, Environmental & Economic		
HMP 551	Historical and Contemporary Developments in Social Justice		
HMP 552	Perspectives on Gender, Race, Ethnicity, and Social Class		
HMP 554	Issues in United States Health Policy		
HMP 555	Violence, Trauma and Adversity in Public Health		
HMP 600	Public Health Advocacy and Activism		
HMP 650	Management of Healthcare Outcomes		
IPS 510	Reproductive Women's Health Across the Life Cycle		
NFS 640	Nutrition of the Schoolchild		
Total Credits			12.0

Additional Information

For more information about this graduate 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/minors/>) website and the MCH Program (<https://drexel.edu/dornsife/academics/departments/community-health-prevention/maternal-child-health-program/>) webpage.

Graduate Minor in Program Monitoring and Evaluation

About the Graduate Minor

For people who fund, plan, or implement public health programs, their questions often include: What outcomes do you expect?; How will you know if you achieved the desired outcomes? and; For programs that have been implemented, what evidence can you provide that they are having intended effects? The graduate minor in Program Monitoring and Evaluation prepares students to develop, improve, and critique public health programs using quantitative and qualitative evaluation methods that can be applied in governmental or non-governmental agencies and in domestic or global contexts. In addition to required courses, students are encouraged to take additional advanced research methods courses and to build practical evaluation experience into their graduate studies by working with faculty on a community-based evaluation project as part of their integrative learning experience.

Admission Requirements

Graduate minors are designed to complement students' training by providing basic knowledge in topics outside their primary discipline. All matriculated graduate students in quarter programs are eligible to enroll.

Students must receive approval from their home program and the Dornsife School of Public Health and complete the necessary paperwork with the DSPH Academic Advising Team.

Program Requirements

Required courses

CHP 560	Design and Grant Writing for Community Health Programs	3.0
CHP 605	Outcomes and Impact Evaluation	3.0
or CHP 805	Outcomes and Impact Evaluation	
CHP 673	Process Monitoring and Outcomes Evaluation for Community Health Programs	3.0
CHP 808	Measuring Health	3.0
Total Credits		12.0

Additional Information

For more information about this graduate 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/minors/>) website.

Graduate Minor in Public Health Emergency Preparedness

About the Graduate Minor

The graduate minor in Public Health Emergency Preparedness is designed for graduate students who are interested in gaining knowledge and skills in the public health aspects of preparedness and response to emergencies that impact the health of communities. Students are required to take two core courses in public health emergency preparedness and risk communication, and two elective courses in areas such as planning, program evaluation, risk assessment, and infectious disease control. Students will gain public health preparedness competencies. The minor is intended to prepare students for work in emergency and disaster preparedness positions in government, health care, and non-profit organizations.

Admission Requirements

Graduate minors are designed to complement students' training by providing basic knowledge in topics outside their primary discipline. All matriculated graduate students in quarter programs are eligible to enroll.

Students must receive approval from their home program and the Dornsife School of Public Health and complete the necessary paperwork with the DSPH Academic Advising Team.

Program Requirements

Required Courses

EOH 648	Public Health and Disaster Preparedness	3.0
EOH 658	Crisis and Risk Communication in Public Health	3.0

Electives

6.0

Choose two of the following courses.

CHP 607	Public Health Ethics
COM 536	Strategic Social Media Communication
EOH 563	Injury Prevention and Control
EOH 605	Evidence Evaluation for Identification of Environmental Hazards
or EOH 805	Evidence Evaluation for Identification of Environmental Hazards
EOH 615	Environmental and Occupational Health Policy
or EOH 815	Environmental and Occupational Health Policy
EOH 646	Environmental Health in Vulnerable Populations
EOH 650	Microbes in Public Health Practice I: Overview of Bacterial Pathogens
EOH 651	Microbes in Public Health Practice II: Overview of Viral and Other Pathogens
EOH 657	Public Health Impacts of Global Climate Change
EPI 552	Epidemiology for Public Health Practice
EPI 553	Infectious Disease Epidemiology
EPI 569	Disease Outbreak Investigations
HMP 511	Legal Aspects of Public Health
HMP 513	Healthcare Planning Principles and Practice
HMP 556	Public Health Leadership

HMP 703	Introduction to GIS for Public Health	
INFO 517	Principles of Cybersecurity	
INFO 540	Perspectives on Information Systems	
INFO 648	Healthcare Informatics	
INFO 725	Information Policy and Ethics	
Total Credits		12.0

Additional Information

For more information about this graduate minor, 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/minors/>) website.

Graduate Minor in Public Health Ethics and History

About the Graduate Minor

The graduate minor in Public Health Ethics and History strengthens students' critical thinking skills and their knowledge of public health history and ethics, enabling them to more effectively and thoughtfully perform their primary jobs as professionals in public health practice. For students intending to pursue an academic career in public health, the minor will be of additional value because academics in public health, regardless of their specialty, are thought-leaders who should understand and be conversant in the field's history, current points of ethical controversy, and the many ways in which these are influenced by conceptual assumptions, value judgments, and historical events. For students with a primary interest in the history and ethics of health professions, this minor will be of value because it will provide a foundation for careers in health care ethics (e.g., positions relating to human or animal research protections and legal or professional ethics) or for entrance into doctoral programs in the humanities or other interdisciplinary programs with an emphasis on ethics and policy.

Admission Requirements

Graduate minors are designed to complement students' training by providing basic knowledge in topics outside their primary discipline. All matriculated graduate students in quarter programs are eligible to enroll.

Students must receive approval from their home program and the Dornsife School of Public Health and complete the necessary paperwork with the DSPH Academic Advising Team.

Program Requirements

Requirements (Option 1)

CHP 516	History of Public Health	3.0
CHP 607	Public Health Ethics	3.0
Please select two courses from the options below: *		6.0
CHP 608	Animals and Public Health	
CHP 681	Research with Rare, Stigmatized and Hidden Populations	
CHP 682	LGBT Health Disparities	
HMP 550	Health Disparities: Systemic, Structural, Environmental & Economic	
HMP 551	Historical and Contemporary Developments in Social Justice	
HMP 552	Perspectives on Gender, Race, Ethnicity, and Social Class	
Total Credits		12.0

* Courses that are not listed (including special topics courses) may be taken upon approval from the program director.

Requirements (Option 2)

CHP 516	History of Public Health	3.0
CHP 607	Public Health Ethics	3.0
Integrative Learning Experience *		3.0
CHP 750	Integrative Learning Experience in Community Health & Prevention I	3.0
or CHP 751	Integrative Learning Experience in Community Health & Prevention II	
Please select one course from the options below: **		3.0
CHP 608	Animals and Public Health	
CHP 681	Research with Rare, Stigmatized and Hidden Populations	
CHP 682	LGBT Health Disparities	

HMP 550	Health Disparities: Systemic, Structural, Environmental & Economic	
HMP 551	Historical and Contemporary Developments in Social Justice	
HMP 552	Perspectives on Gender, Race, Ethnicity, and Social Class	
Total Credits		15.0

- * The Integrative Learning Experience must be related to Public Health Ethics and History and must be approved by the program director.
- ** Courses that are not listed (including special topics courses) may be taken upon approval from the program director.

Additional Information

For more information about this graduate 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/minors/>) website.

Graduate Minor in Social Justice Policy

About the Graduate Minor

Note: This graduate minor is not enrolling students in AY 2022-2023.

The graduate minor in Social Justice Policy is an intensive course of study that builds knowledge of the principles of social and deliberative justice, equity, and ethics, and develops skills in applying these principles to enhance individual and population health. Students learn ways to assure that organizational priorities and strategies focus on improving and maintaining health as a basic human right. Students are required to take four courses from a selection of course offerings from the Dornsife School of Public Health.

Admission Requirements

This graduate minor is not enrolling students in AY 2022-2023.

Program Requirements

Required Courses

HMP 550	Health Disparities: Systemic, Structural, Environmental & Economic	3.0
HMP 551	Historical and Contemporary Developments in Social Justice	3.0

Electives (Select Two)

CHP 607	Public Health Ethics	
CHP 683	Intersectional Perspectives	
EOH 615	Environmental and Occupational Health Policy	
EOH 646	Environmental Health in Vulnerable Populations	
HMP 519	Maternal & Child Health Policy	
HMP 511	Legal Aspects of Public Health	
HMP 514	Policy Analysis for Population Health	
HMP 555	Violence, Trauma and Adversity in Public Health	
HMP 557	Public Health and the Complexity of Mental Health Policy: Exploring Past, Present, and Future	
HMP 600	Public Health Advocacy and Activism	
HMP 603	Health Systems Policy Analysis	
HMP 610	Abolition Frameworks for Public Health: Transformative Policies for a New Society	
HMP 661	Disability and Measurement	
HMP 662	Medicaid and Disability Policy	
HMP 802	Health and Human Rights	

Total Credits		12.0
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Additional Information

For more information about this minor, 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/minors/>) website.

Graduate Minor in Substance Use and Misuse

About the Graduate Minor

Note: This graduate minor is not enrolling students in AY 2022-2023.

The graduate minor in Substance Use and Misuse focuses on key issues relating to the history, epidemiology, and study of drug use. This will include examination of drug policies, public health outcomes linked to substance use/misuse, and characteristics of marginalized individuals/communities who use. Students will gain understanding of the economic, cultural, and health-related contexts of drug use, including consideration of intersects between drug use and homelessness, incarceration, HIV/AIDS, viral hepatitis, mental health, violence, and health disparities.

Coursework will address the use of qualitative and quantitative methods to investigate the public health effects to drug use and prevention, intervention, and treatment strategies and policies for addressing substance use and misuse. This includes consideration of the use of illegal drugs, such as marijuana, heroin, and cocaine; legal drugs, such as alcohol and tobacco/nicotine; and prescription drugs, such as pharmaceutical opioids, tranquilizers, and stimulants.

Morbidity and mortality associated with substance use and misuse is a top public health concern, reflecting the impacts of drug dependence and overdose, drug-use-associated transmission of infectious diseases, and the overuse of prescription opioids in managing chronic pain associated with cancer and other conditions.

Admission Requirements

This graduate minor is not enrolling students in AY 2022-2023.

Program Requirements

Required Courses:

CHP 650	Drug Use and Public Health	3.0
CHP 681	Research with Rare, Stigmatized and Hidden Populations	3.0
CHP 804	Qualitative Research in Community Health	3.0
CHP 815	Advanced Topics in Qualitative Analysis & Manuscript Development	3.0
Total Credits		12.0

Additional information

For more information about this graduate 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/minors/>) website.

Graduate Minor in Urban Health

About the Graduate Minor

The graduate minor in Urban Health provides students with fundamental knowledge and skills necessary to describe health in cities and other urban areas, understand and analyze the drivers of health in urban areas, identify and evaluate effective strategies to improve urban health, collaborate with interdisciplinary teams to address urban health issues, and to communicate key factors and policies contributing to urban health with diverse stakeholders.

Admission Requirements

Graduate minors are designed to complement students' training by providing basic knowledge in topics outside their primary discipline. All matriculated graduate students in quarter programs, except for students pursuing the Urban Health MPH, are eligible to enroll.

Students must receive approval from their home program and the Dornsife School of Public Health and complete the necessary paperwork with the DSPH Academic Advising Team.

Program Requirements

Required Courses

EOH 550	Introduction to Urban Health	3.0
EPI 563	Interprofessional Collaboration for Urban Health	3.0

Methods Elective**3.0**

Choose one of the following

BST 555	Introduction to Statistical Computing
CHP 671	Community Organizing and Community Assessment for Health and Wellness
CHP 673	Process Monitoring and Outcomes Evaluation for Community Health Programs
CHP 804	Qualitative Research in Community Health
EPI 558	Making Sense of Data
EPI 610	Public Health Surveillance
HMP 703	Introduction to GIS for Public Health
URBS 610	Civic Engagement & Participatory Methods
URBS 630	Spatial Reasoning for Urbanists, Architects & Designers

Substantive Elective**3.0**

Choose one of the following

CHP 530	Arts for Community Health and Wellbeing
EOH 563	Injury Prevention and Control
EOH 642	Healthy Housing & Built Environment
EOH 648	Public Health and Disaster Preparedness
EOH 657	Public Health Impacts of Global Climate Change
EPI 553	Infectious Disease Epidemiology
EPI 633	Urban Inequality and Health: Theory, Evidence, and Action
URBS 510	History of Urban Space
URBS 520	What is a City
URBS 650	Urbanism, Health & the Built Environment

Total Credits**12.0**

Additional Information

For more information about this graduate 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/minors/>) website.

Certificate in Disability and Health Equity Policy

Certificate Level: Graduate

Admission Requirements: Bachelor's degree

Certificate Type: Post-Baccalaureate

Number of Credits to Completion: 12.0

Instructional Delivery: Online

Calendar Type: Quarter

Expected Time To Completion: 1 year

Financial Aid Eligibility: Not aid eligible

Classification of Instructional Program (CIP) Code: 44.0503

Standard Occupational Classification (SOC) Code: 19-3099

About the Program

The online Certificate in Disability and Health Equity Policy is designed to provide training and skill development for students and professionals to influence and lead in any position that supports individuals with disabilities, their families or caregivers, service providers and program administrators, and policymakers. This certificate will prepare students for leadership roles in supporting effective and equitable policy development, implementation, and evaluation.

The certificate is offered entirely online to provide qualified students and working professionals with an opportunity to acquire these credentials regardless of restrictions in time and physical location. Those who successfully complete the certificate program and wish to broaden their scope of public health education could pursue an MPH degree program.

Admission Requirements

Applicants must meet the following requirements:

- Complete application form
- Working knowledge of and access to a personal computer (no more than four years old), high-speed connection to the Internet, and Microsoft Office applications
- Bachelor's degree required
- Ability to download free versions of software required for the program
- Demonstrated interest or work experience in one or more fields of public health, disability services, disability policy, or health equity

Program Requirements

Required Courses

HMP 661	Disability and Measurement	3.0
HMP 660	Public Policy and Advocacy	3.0
Selectives (pick 2)		6.0
HMP 662	Medicaid and Disability Policy	
HMP 519	Maternal & Child Health Policy	
HMP 551	Historical and Contemporary Developments in Social Justice	
CHP 683	Intersectional Perspectives	

Sample Plan of Study

First Year

Fall	Credits Winter	Credits Spring	Credits Summer	Credits
HMP 661	3.0 HMP 662 or 519	3.0 HMP 551 or CHP 683	3.0 HMP 660	3.0
	3	3	3	3

Total Credits 12

Additional Information

For more information about this certificate, please contact:

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

Additional information can be found on the Drexel University Online (<https://www.online.drexel.edu/online-degrees/public-health-degrees/cert-health-equity-policy/>) website, including admissions criteria and how to apply.

Certificate in Epidemiology and Biostatistics

Certificate Level: Graduate

Admission Requirements: Bachelor's degree

Certificate Type: Post-Baccalaureate

Number of Credits to Completion: 9.0

Instructional Delivery: Online

Calendar Type: Quarter

Expected Time To Completion: 1 year

Financial Aid Eligibility: Not aid eligible

Classification of Instructional Program (CIP) Code: 26.1309

Standard Occupational Classification (SOC) Code: 19-1041

About the Program

The online Certificate in Epidemiology and Biostatistics is a graduate-level, interdisciplinary program designed for working professionals coming from a variety of backgrounds including physicians, nurses, public health administrators, health educators, clinical research professionals, policy experts, and more. Students will learn about concepts and methods in epidemiology and biostatistics and how to apply them to real-world problems. Students will also learn techniques for describing, summarizing and analyzing data, assessing associations among variables, and determining the extent to which chance may or may not be influencing the observed results.

Never before has disease prevention and health promotion been more important as evidenced by the COVID-19 pandemic. As public health issues arise in the United States and globally, those who can apply knowledge gained through the translation of research to real-world problems are in great demand across all sectors: health care, pharmaceuticals, governmental and non-governmental agencies, business, and academia.

The certificate is offered entirely online to provide qualified students and working professionals with an opportunity to acquire these credentials regardless of restrictions in time and physical location. Those who successfully complete the certificate program and wish to broaden their scope of public health education could pursue an MPH degree program.

About the Curriculum

The curriculum reflects core epidemiological and biostatistical concepts and practices, similar to the MPH programs. The certificate program provides research-oriented training in the theory and tools of epidemiology and biostatistics, two of the core public health disciplines.

Students learn the principles of epidemiology and biostatistics and gain skills in using epidemiologic and biostatistical tools to describe, monitor, and investigate the drivers of population health. These skills are necessary to conduct research, develop hypotheses, analyze data, and interpret and communicate results.

Admission Requirements

Applicants must meet the following requirements:

- Complete application form
- Working knowledge of and access to a personal computer (no more than four years old), high-speed connection to the Internet, and Microsoft Office applications
- Bachelor's degree required
- Ability to download free versions of software required for the program
- Demonstrated interest or work experience in public health

Program Requirements

Required Courses

BST 571	Introduction to Biostatistics	3.0
EPI 570	Introduction to Epidemiology	3.0
EPI 572	Design and Analysis of Epidemiological Studies	3.0

Total Credits

9.0

Sample Plan of Study

First Year

Fall	Credits Winter	Credits Spring	Credits
EPI 570	3.0 BST 571	3.0 EPI 572	3.0
	3	3	3

Total Credits 9

Additional Information

For more information about this certificate, please contact:

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

Additional information can be found on the Drexel University Online (<https://www.online.drexel.edu/online-degrees/public-health-degrees/cert-epi-bio/>) website, including admissions criteria and how to apply.

Certificate in Global Health

Certificate Level: Graduate

Admission Requirements: Bachelor's degree

Certificate Type: Post-Baccalaureate

Number of Credits to Completion: 15.0

Instructional Delivery: Online

Calendar Type: Quarter

Expected Time to Completion: 1 year

Financial Aid Eligibility: Aid eligible

Classification of Instructional Program (CIP) Code: 51.2210

Standard Occupational Classification (SOC) Code: 21-1091

About the Program

The online Certificate in Global Health is designed to train post-baccalaureate students and healthcare professionals for a career in global health and international development. The program stresses the development of analytic and technical skills required for pursuing further work in the growing areas of global health and international development. The curriculum focuses on designing, implementing, and evaluating programs in underserved communities in the United States and abroad. Students will learn to translate theory into practical applications to address current global health and development challenges.

The certificate is offered entirely online to provide qualified students and working professionals with an opportunity to acquire these credentials regardless of restrictions in time and physical location. Those who successfully complete the certificate program and wish to broaden their scope of public health education could pursue an MPH degree program.

Admission Requirements

Applicants must meet the following requirements:

- Complete application form
- Working knowledge of and access to a personal computer (no more than four years old), high-speed connection to the Internet, and Microsoft Office applications
- Bachelor's degree required
- Ability to download free versions of software required for the program
- Demonstrated interest or work experience in public health

Program Requirements

Required Courses

CHP 561	Overview of Issues in Global Health	3.0
CHP 607	Public Health Ethics	3.0
CHP 660	Global Health Ethics	1.5
CHP 661	Monitoring and Evaluation in Global Health Programs and Advocacy	1.5
CHP 673	Process Monitoring and Outcomes Evaluation for Community Health Programs	3.0
HMP 603	Health Systems Policy Analysis	3.0

Total Credits **15.0**

Sample Plan of Study

Term 1	Credits Term 2	Credits Term 3	Credits
CHP 561	3.0 CHP 607	3.0 CHP 673	3.0
HMP 603	3.0 CHP 660	1.5 CHP 661	1.5
	6	4.5	4.5

Total Credits 15

Additional Information

For more information about this certificate, please contact:

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

Additional information can be found on the Drexel University Online website, including admissions criteria and how to apply.

Certificate in Infectious Disease Prevention and Control

Certificate Level: Graduate

Admission Requirements: Bachelor's degree

Certificate Type: Post-Baccalaureate

Number of Credits to Completion: 18.0

Instructional Delivery: Online

Calendar Type: Quarter

Expected Time To Completion: 1 year

Financial Aid Eligibility: Aid eligible

Classification of Instructional Program (CIP) Code: 26.0509

Standard Occupational Classification (SOC) Code: 19-1041

About the Program

The online Certificate in Infectious Disease Prevention and Control prepares students to work in healthcare settings, public health agencies, the pharmaceutical sector, and other organizations engaged in work related to the prevention and control of infectious diseases. The certificate integrates relevant courses in epidemiology, infectious diseases, and patient safety.

The certificate is offered entirely online to provide qualified students and working professionals with an opportunity to acquire these credentials regardless of restrictions in time and physical location. Those who successfully complete the certificate program and wish to broaden their scope of public health education could pursue an MPH degree program.

Admission Requirements

Applicants must meet the following requirements:

- Complete application form
- Working knowledge of and access to a personal computer (no more than four years old), high-speed connection to the Internet, and Microsoft Office applications
- Bachelor's degree required
- Ability to download free versions of software required for the program
- Demonstrated interest or work experience in public health

Program Requirements

Required Courses

EOH 650	Microbes in Public Health Practice I: Overview of Bacterial Pathogens	3.0
EOH 651	Microbes in Public Health Practice II: Overview of Viral and Other Pathogens	3.0
EOH 655	Infection Prevention and Control in the Healthcare Environment	3.0
EPI 553	Infectious Disease Epidemiology	3.0
EPI 570	Introduction to Epidemiology	3.0
IPS 544	Quality and Safety in Healthcare	3.0

Total Credits

18.0

Sample Plan of Study

First Year

Fall	Credits Winter	Credits Spring	Credits
EOH 650	3.0 EOH 651	3.0 EPI 553	3.0
EPI 570	3.0 EOH 655	3.0 IPS 544	3.0
	6	6	6

Total Credits 18

Additional Information

For more information about this certificate, please contact:

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

Additional information can be found on the Drexel University Online website, including admissions criteria and how to apply.

Certificate in Lesbian, Gay, Bisexual and Transgender (LGBT) Health

Certificate Level: Graduate

Admission Requirements: Bachelor's degree

Certificate Type: Post-Baccalaureate

Number of Credits to Completion: 9.0

Instructional Delivery: Online

Calendar Type: Quarter

Expected Time to Completion: 1 year

Financial Aid Eligibility: Not aid eligible

Classification of Instructional Program (CIP) Code: 51.2207

Standard Occupational Classification (SOC) Code: 21-1091

About the Program

The online Certificate in Lesbian, Gay, Bisexual and Transgender (LGBT) Health is designed to address the complex issues confronting the health disparities and health-seeking behaviors of LGBT people. The sequence of courses examines health disparities, research, sampling, and measurement methodologies involved in the study of LGBT populations, and the intersections of social identities/inequalities, such as those based on ethnicity, sexual orientation, and sex/gender, among others.

The certificate is offered entirely online to provide qualified students and working professionals with an opportunity to acquire these credentials regardless of restrictions in time and physical location. Those who successfully complete the certificate program and wish to broaden their scope of public health education could pursue an MPH degree program.

Admission Requirements

Applicants must meet the following requirements:

- Complete application form
- Working knowledge of and access to a personal computer (no more than four years old), high-speed connection to the Internet, and Microsoft Office applications
- Bachelor's degree required
- Ability to download free versions of software required for the program
- Demonstrated interest or work experience in public health

Program Requirements

Required Courses

CHP 681	Research with Rare, Stigmatized and Hidden Populations	3.0
CHP 684	Sexual Orientations And Health	3.0
CHP 685	Genders And Sexes And Health	3.0

Total Credits 9.0

Sample Plan of Study

First Year

Fall	Credits Winter	Credits Spring	Credits
CHP 681*	3.0 CHP 684	3.0 CHP 685	3.0
	3	3	3

Total Credits 9

* This Program is offered as a Three-Quarter Start so students may begin in Fall, Winter, or Spring and then follow the sequence.

Additional Information

For more information about this certificate, please contact:

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

Additional information can be found on the Drexel University Online website, including admissions criteria and how to apply.

Certificate in Maternal and Child Health

Certificate Level: Graduate

Admission Requirements: Bachelor's degree

Certificate Type: Post-Baccalaureate

Number of Credits to Completion: 18.0

Instructional Delivery: Online

Calendar Type: Quarter

Expected Time to Completion: 1-2 years

Financial Aid Eligibility: Aid eligible

Classification of Instructional Program (CIP) Code: 51.2209

Standard Occupational Classification (SOC) Code: 21-1094

About the Program

The online Certificate in Maternal and Child Health (MCH) provides MCH practitioners desiring accessible training in MCH with core knowledge and skills needed to effectively promote the health and well-being of mothers, infants, children, and families in local, domestic, and global settings. The certificate will utilize the five MCH competencies for curriculum development and evaluation (ATMCH, 2001): scientific basis, methodological/analytical skills, management and communication skills, policy and advocacy skills, and values and ethics in MCH public health practice.

Students accepted into the MCH Certificate program are designated as MCH Catalyst Trainees through the MCH Public Health Catalyst Training Program (<https://mchb.hrsa.gov/training/projects.asp?program=31>) at the Drexel Dornsife School of Public Health. This training program is supported by the Maternal and Child Health Bureau (MCHB) at the Health Resources and Services Administration (HRSA), U.S. Department of Health and Human Services. Opportunities for MCH Trainees include online and hybrid learning and social opportunities with others interested in MCH, mentorship, MCH career networking events, participation in national MCH internships and conferences, networking opportunities with MCH professionals and trainees across the country, student leadership positions in the MCH student groups, MCH research and service opportunities, and an array of MCH-focused events including MCH Speaker Series Webinars, Online MCH Journal Clubs, Leadership Workshops/Projects, and Symposia.

Students develop skills in critical thinking, application, and analysis of MCH issues through achieving nationally recognized MCH Leadership Competencies (<https://mchb.hrsa.gov/training/leadership-00.asp>). As MCH Catalyst Trainees, students in this program will also be afforded additional MCH opportunities both within Drexel and nationally through HRSA/MCHB. Graduates of this training program are poised for entry and upward advancement into the MCH workforce or related MCH graduate programs.

The certificate is offered entirely online to provide qualified students and working professionals with an opportunity to acquire these credentials regardless of restrictions in time and physical location. Those who successfully complete the certificate program and wish to broaden their scope of public health education could pursue an MPH degree program.

Admission Requirements

Applicants must meet the following requirements:

- Complete application form
- Working knowledge of and access to a personal computer (no more than four years old), high-speed connection to the Internet, and Microsoft Office applications
- Bachelor's degree required
- Ability to download free versions of software required for the program
- Demonstrated interest or work experience in MCH

Program Requirements

Required Courses

CHP 517	Overview of Maternal and Child Health	3.0
EPI 570	Introduction to Epidemiology	3.0
Selective (Choose One)		3.0
CHP 518	Global Issues in Maternal and Child Health	
HMP 519	Maternal & Child Health Policy	
Electives		9.0
BST 571	Introduction to Biostatistics	
CHP 518	Global Issues in Maternal and Child Health	
CHP 607	Public Health Ethics	
CHP 660	Global Health Ethics	
CHP 661	Monitoring and Evaluation in Global Health Programs and Advocacy	
CHP 673	Process Monitoring and Outcomes Evaluation for Community Health Programs	
CHP 681	Research with Rare, Stigmatized and Hidden Populations	
CHP 682	LGBT Health Disparities	
CHP 683	Intersectional Perspectives	
EPI 556	Perinatal Epidemiology	
EPI 572	Design and Analysis of Epidemiological Studies	
HMP 519	Maternal & Child Health Policy	
HMP 555	Violence, Trauma and Adversity in Public Health	
IPS 510	Reproductive Women's Health Across the Life Cycle	

Total Credits

18.0

* CHP 607 is a pre or co-requisite for CHP 660, and CHP 673 is a pre or co-requisite for CHP 661.

Sample Plan of Study

First Year				
Fall		Credits Winter	Credits Spring	Credits
CHP 517		3.0 CHP 518 or HMP 519	3.0 Electives	6.0
EPI 570		3.0 Elective	3.0	
		6	6	6
Total Credits 18				

* Please note that electives can be taken during any term. This is a sample plan of study that shows how students may choose to complete this certificate.

Additional Information

For more information about this certificate, please contact:

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

Additional information can be found on the MCH Program (<https://drexel.edu/dornsife/academics/departments/community-health-prevention/maternal-child-health-program/>) webpage and the Drexel University Online (<https://www.online.drexel.edu/online-degrees/public-health-degrees/cert-maternal-child-health/>) website, including admissions criteria and how to apply.

Certificate in Public Health

Certificate Level: Graduate

Admission Requirements: Bachelor's degree

Certificate Type: Post-Baccalaureate

Number of Credits to Completion: 20.0

Instructional Delivery: Online

Calendar Type: Quarter

Expected Time to Completion: 1 year

Financial Aid Eligibility: Not aid eligible

Classification of Instructional Program (CIP) Code: 51.2299

Standard Occupational Classification (SOC) Code: 19-1042

About the Program

The online Certificate in Public Health provides students with a foundational knowledge of public health and with key competencies outlined by the Council on Education for Public Health (CEPH) in eight domains: (1) evidence-based approaches to public health, (2) public health and health care systems, (3) planning and management to promote health, (4) policy in public health, (5) leadership, (6) communication, (7) interprofessional practice and/or intersectoral practice, and (8) systems thinking.

The certificate is offered entirely online to provide qualified students and working professionals with an opportunity to acquire this credential regardless of restrictions in time and physical location. Those who successfully complete the certificate program and wish to broaden their scope of public health education could pursue a MPH degree.

Admission Requirements

Applicants must meet the following requirements:

- Complete application form
- Working knowledge of and access to a personal computer (no more than four years old), high-speed connection to the Internet, and Microsoft Office applications
- Bachelor's degree required
- Ability to download free versions of software required for the program
- Demonstrated interest or work experience in public health

Program Requirements

Required Courses

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
Elective *		3.0
Total Credits		20.0

* Students choose from BST, CHP, EOH, EPI, HMP, and PBHL at the 500-999 level.

Sample Plan of Study

9 Months (3 Quarters) Part-Time

First Year (Part-Time)

Fall	Credits Winter	Credits Spring	Credits
EPI 570	3.0 BST 571	3.0 HMP 505	3.0
PBHL 510	4.0 PBHL 511	4.0 Elective	3.0
	7	7	6

Total Credits 20

Additional Information

For more information about this certificate, please contact:

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

Additional information can be found on the Drexel University Online website, including admissions criteria and how to apply.

Certificate in Urban Health

Certificate Level: Graduate

Admission Requirements: Bachelor's degree

Certificate Type: Post-Baccalaureate

Number of Credits to Completion: 18.0

Instructional Delivery: Online

Calendar Type: Quarter

Expected Time to Completion: 1 year

Financial Aid Eligibility: Aid eligible

Classification of Instructional Program (CIP) Code: 51.2299

Standard Occupational Classification (SOC) Code: 21-1091

About the Program

The online Certificate in Urban Health introduces students to urban health concepts and practice techniques. Students will gain experience on how to be culturally competent public health professionals with an emphasis on built environment, healthy housing, and ecological concerns. Students will learn about the fundamentals of urban health and how to apply them to real-world problems.

The certificate is offered entirely online to provide qualified students and working professionals with an opportunity to acquire these credentials regardless of restrictions in time and physical location. Those who successfully complete the certificate program and wish to broaden their scope of public health education could pursue an MPH degree program.

Admission Requirements

Applicants must meet the following requirements:

- Complete application form
- Working knowledge of and access to a personal computer (no more than four years old), high-speed connection to the Internet, and Microsoft Office applications

- Bachelor's degree required
- Ability to download free versions of software required for the program
- Demonstrated interest or work experience in public health

Program Requirements

Program Requirements

CHP 673	Process Monitoring and Outcomes Evaluation for Community Health Programs	3.0
EOH 550	Introduction to Urban Health	3.0
EOH 642	Healthy Housing & Built Environment	3.0
EPI 563	Interprofessional Collaboration for Urban Health	3.0
EPI 570	Introduction to Epidemiology	3.0
EPI 633	Urban Inequality and Health: Theory, Evidence, and Action	3.0

Total Credits **18.0**

Sample Plan of Study

First Year

Fall	Credits Winter	Credits Spring	Credits
EOH 550	3.0 CHP 673	3.0 EOH 642	3.0
EPI 570	3.0 EPI 633	3.0 EPI 563	3.0
	6	6	6

Total Credits 18

Additional Information

For more information about this certificate, please contact:

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

Additional information can be found on the Drexel University Online (<https://www.online.drexel.edu/online-degrees/public-health-degrees/cert-urban-health/>) website, including admissions criteria and how to apply.

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