

Drexel University
CATALOG 2011-2012

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The School of Public Health

Graduate Programs

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The School of Public Health

About the School

The mission of the [School of Public Health](#) is to promote health and quality of life through graduate education, applied research, and community service in the prevention and control of disease, injury, and disability. The curriculum combines knowledge of the disciplines of public health and practical applications of that knowledge. By working collaboratively with community groups, agencies, and populations, professionals are prepared to effectively address today's most pressing public health problems.

Preparation and Partnership

The School believes that professionals can best meet the needs of today and tomorrow with expertise in the integration and practical application of all disciplines of public health. The School of Public Health's educational and research programs are built upon partnerships with communities and the organizations that serve them.

The School prepares professionals to assess population health; to ensure appropriate services through programmatic, economic, and organizational interventions; and to develop and evaluate policy interventions.



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MS in Biostatistics

About the Program

Biostatistics applies statistical, mathematical and computational techniques to scientific research in health-related fields, including medicine, epidemiology, and public health. Biostatistics has been an integral and indispensable tool in improving health and reducing illness. Biostatisticians play essential roles in designing studies and analyzing research data. Graduates with degrees in biostatistics 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 high throughput technologies such as gene microarray are generating an unprecedented amount of data and presenting new opportunities for biostatisticians with strong computational skills.

The goal of Drexel University's MS Program in Biostatistics is to provide 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 for handling the quantitative and computational aspects of a research project, ranging from study design, data collection and management, developing analysis plans, and conducting analyses and reporting findings. The program provides students with knowledge in statistical theory and computational methods as applied to biomedical and public health research.

Upon graduation MS students will attain competencies in the following three areas: general public health knowledge; biostatistics knowledge; data management and computing skills.

For additional information about the program, visit Drexel's [School of Public Health](#) web site.



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MS in Biostatistics Admission Requirements

Applicants to the MS in Biostatistics must meet the following requirements, having:

- a baccalaureate degree, ideally in a quantitative field such as mathematics, economics and computer science or a scientific area such as natural, biological, medical and environmental sciences.
- at least two semesters of calculus in college.
- knowledge and experience in computing such as operating system, office software and Internet. Familiarity with a programming language or a statistical package is desirable.

The application package will include:

- undergraduate and graduate transcripts
- three letters of recommendation from faculty or professionals who can evaluate the applicant's promise as a graduate student
- Graduate Record Examination (GRE) scores
- a written statement of career and educational goals.



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MS in Biostatistics

48.0 credits

Degree Requirements

Completion of the MS in Biostatistics requires: (1) a minimum of 48 credit hours of course work; (2) a cumulative grade point average of 3.0 or higher; (3) a substantial data analysis project (9 credit hours) with a written report (30-50 pages) and oral presentation.

Curriculum

Required Public Health Courses 10.0 Credits

| | | |
|----------|-------------------------------|-----|
| PBHL 516 | Introduction to Public Health | 2.0 |
|----------|-------------------------------|-----|

In addition, students select two of the following Public Health courses:

| | | |
|----------|--------------------------------------|-----|
| PBHL 540 | Prevention Principles and Practices | 4.0 |
| PBHL 550 | Community Based Prevention Practices | 4.0 |
| PBHL 640 | Environmental Health | 4.0 |
| PBHL 650 | Policy and Advocacy | 4.0 |
| PBHL 660 | Occupational Health | 4.0 |

Required Biostatistics Courses 25.0 Credits

| | | |
|----------|--|-----|
| PBHL 520 | Biostatistics | 4.0 |
| PBHL 620 | Intermediate Biostatistics I | 3.0 |
| PBHL 621 | Intermediate Biostatistics II | 3.0 |
| PBHL 622 | Introduction to Biostatistics Theory | 3.0 |
| PBHL 623 | Biostatistics Computing | 3.0 |
| PBHL 628 | Survival Data Analysis | 3.0 |
| PBHL 625 | Longitudinal Data Analysis | 3.0 |
| PBHL 629 | Design and Analysis of Clinical Trials | 3.0 |



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Required Epidemiology Courses**7.0 Credits**

| | | |
|----------|--------------|-----|
| PBHL 530 | Epidemiology | 4.0 |
|----------|--------------|-----|

| | | |
|----------|------------------------------|-----|
| PBHL 630 | Intermediate Epidemiology | 3.0 |
|----------|------------------------------|-----|

Suggested Electives**6.0 Credits**

| | | |
|----------|---|-----|
| BIO 631 | Bioinformatics I | 3.0 |
| BIO 640 | Biometry | 3.0 |
| MATH 510 | Applied Probability and Statistics I | 3.0 |
| MATH 511 | Applied Probability and Statistics II | 3.0 |
| PBHL 632 | Applied Survey Research in Epidemiology | 3.0 |
| PBHL 804 | Research Methods for Community Health and Prevention | 3.0 |
| PBHL 830 | Advanced Epidemiology | 4.0 |
| STAT 604 | Decision Sciences | 3.0 |
| STAT 628 | Regression and Correlation Analysis | 3.0 |



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Master of Public Health (MPH)

About the Full-time Program

Drexel University's Master of Public Health (MPH) full-time program provides practical skills and experience, with a unique focus on relevant community issues, challenges, and priorities.

The 64 quarter-credit program is interdisciplinary and requires students to complete a comprehensive, community-based master's project. The program prepares students to enter an array of fields related to public health or a range of doctoral programs.

Program Highlights

The first year of the program covers the five core disciplines offered within the context of culture and community. These include environmental and occupational health; health care systems organization, management, and policy; social and behavioral sciences for population health; epidemiology; biostatistics.

During the second year of the program, students select one of five following concentrations from the school's four academic departments:

- Biostatistics
- Epidemiology
- Community Health and Prevention
- Environmental and Occupational Health
- Health Management and Policy

Throughout the program, group case discussion sessions, case-related activities and didactic sessions are integrated into the experience. These include:

- Skill development labs and workshops (year two);
- Public health grand rounds (for all faculty, students, and community partners) provide access to scholars and their cutting-edge research and initiatives in public health.

Curriculum

The MPH full-time educational program is structured on a quarter-term basis, with a total 64 credit hours required. This is generally taken as a two-year program; all coursework must be completed within seven years of the date of matriculation for the full-time program.

The second-year curriculum is composed of four courses in the chosen area of concentration (Biostatistics; Epidemiology; Community Health and Prevention; Environmental and Occupational Health; Health Management and Policy), three elective courses, and the Community-Based Master's Project (CBMP), the culminating experience required of full-time Drexel MPH students.

Students spend approximately 12 hours each week working on a community-oriented, health-related project, often working as an integral part of a community-based organization. This can be in the areas of government, healthcare and social services, among others. In preparation for developing their final paper, students are required to identify an issue or problem of significance to the target community or agency, synthesize the literature, develop an approach or methodology to address the issue, and either implement and test the validity of a proposed approach or set out a detailed prescription for addressing the problem. Students may also work with faculty in specific research areas.

Joint Doctor of Medicine and Master of Public Health Degree (MD/MPH)

Students wishing to complete a course of study earning the joint MD/MPH degree can complete such a program in 5 years. They must apply for the joint program and be accepted by both the Drexel University School of Medicine and the School of Public Health.

Students in this program have enriched public health content in their first two years of medical school and spend their third year of study full time in the School of Public Health. Students are able to enter clinical rotations and residency selection having obtained the MPH degree.



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Master of Public Health (MPH)

Admissions

The School of Public Health seeks students with intellectual and interpersonal competencies as well as those with potential for leadership. The school has set a high priority on establishing a student body that is representative of the nation's population. We strive to recruit and to admit applicants from underrepresented minority groups who can contribute to the richness of our student population and to that of the nation's public health professionals.

Admissions Process

- The Admissions Committee carefully reviews applications and gives personal essays and letters of recommendation particular attention.
- The selection process weighs prior academic and personal accomplishments, emphasizing demonstrated leadership.
- Diversity of background and outside interests, depth of self-appraisal, commitment to public health, and working with individuals are highly valued.
- Prior work experience in a field related to public health is highly recommended.

Applicants Should Have:

- Satisfactorily completed an undergraduate bachelor degree program in an accredited U.S. college or university, or its equivalent in another country
- A course in Statistics is highly recommended
- Six undergraduate or graduate credits in the social or behavioral sciences and three in the biological sciences are preferred, but not required
- Satisfactory results from one of the following taken within the past five years (the GRE or GMAT is preferred):
 - Graduate Record Examination (GRE)
 - Graduate Management Admission Test (GMAT)
 - Medical College Admission Test (MCAT)
 - Law School Admission Test (LSAT)
- Test of English as a Foreign Language (TOEFL) for applicants whose first language is not English

Please note: Drexel University's School code for submitting GRE scores is 2194.

The Application Process also requires:

- Completion of the Schools of Public Health Common Application (www.sophas.org)
- A personal essay describing what you perceive to be pressing public health issues, why a career in the field appeals to you, and how it will use your strengths and commitment
- Three letters of recommendation
- Resume or CV

Applicants to the joint MD/MPH program must be accepted to both the [Drexel College of Medicine](#) and the [School of Public Health](#).



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Master of Public Health (MPH)

64.0 quarter credits

Degree Requirements

The full-time educational program is structured on a quarter term basis, with a total credit hour requirement of 64 quarter credit hours. This is generally taken as a two-year program; all course work must be completed within four years of the date of matriculation for the full-time program.

Required core courses 28.0 Credits

| | | |
|----------|--|-----|
| PBHL 516 | Introduction to Public Health | 2.0 |
| PBHL 520 | Principles of Biostatistics | 4.0 |
| PBHL 530 | Epidemiology | 4.0 |
| PBHL 540 | Prevention Principles and Practices | 4.0 |
| PBHL 550 | Community Based Prevention Practices | 4.0 |
| PBHL 600 | Management, Leadership, Assurance in Health Services | 3.0 |
| PBHL 640 | Environmental Health | 4.0 |
| PBHL 650 | Public Policy | 3.0 |

Required community-based Master's project courses 12.0 Credits

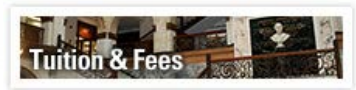
| | | |
|----------|--------------------------------------|-----|
| PBHL 680 | Community Based Master's Project I | 4.0 |
| PBHL 681 | Community Based Master's Project II | 4.0 |
| PBHL 682 | Community Based Master's Project III | 4.0 |

Required Courses by Concentration

Near the end of their first year, students select a concentration area and complete four courses for a total of 12.0 credits.

Biostatistics 12.0 credits

| | | |
|----------|--------------------------------------|-----|
| PBHL 620 | Intermediate Biostatistics I | 3.0 |
| PBHL 621 | Intermediate Biostatistics II | 3.0 |
| PBHL 622 | Introduction to Biostatistics Theory | 3.0 |



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| | | |
|----------|---------------------------|-----|
| PBHL 630 | Intermediate Epidemiology | 3.0 |
|----------|---------------------------|-----|

Community Health and Prevention

| | | |
|----------|---|-----|
| PBHL 670 | Multicultural Competence in Community Health Prevention | 3.0 |
| PBHL 671 | Theory and Practice of Community Health Promotion | 3.0 |
| PBHL 672 | Theory and Practice of Health Communication | 3.0 |
| PBHL 673 | Outcomes Assessment in Community Health and Prevention | 3.0 |

Environmental and Occupational Health

| | | |
|----------|---|-----|
| PBHL 641 | Environmental Hazard Assessment | 3.0 |
| PBHL 643 | Environmental and Occupational Toxicology | 3.0 |
| PBHL 647 | Occupational and Environmental Epidemiology | 3.0 |
| PBHL 662 | Environmental and Occupational Policy | 3.0 |

Epidemiology

| | | |
|----------|---|-----|
| PBHL 620 | Intermediate Biostatistics I | 3.0 |
| PBHL 630 | Intermediate Epidemiology | 3.0 |
| PBHL 632 | Applied Survey Research in Epidemiology | 3.0 |
| PBHL 634 | Epidemiology for Public Health Practice | 3.0 |

Health Management and Policy

Students in this concentration must choose two courses from each of the following two categories of courses:

Macro Theory and Practice

| | | |
|----------|---------------------------------------|-----|
| PBHL 609 | Emerging issues in U.S. Health Policy | 3.0 |
| PBHL 611 | Race, Ethnicity and Health | 3.0 |
| PBHL 651 | Legal Aspects of Public Health | 3.0 |

Micro Theory and Practice

| | | |
|----------|--|-----|
| PBHL 601 | Management Health Care Systems | 3.0 |
| PBHL 603 | Advanced Healthcare Financial Management | 3.0 |
| PBHL 605 | Strategy, Innovation and Change Management | 3.0 |

Electives 12.0 Credits

Students are required to successfully complete four electives (12.0 credits). These courses may be within the School of Public Health, or from other academic units within the University. Students must meet with their Academic Advisor in selecting their electives. It is the responsibility of the student to determine course restrictions and the registration process for campus electives taken at the Main Campus. The following is a sample of some of the School of Public Health electives offered by department:

Biostatistics Electives

| | | |
|----------|---------------------------------------|-----|
| PBHL 623 | Introduction to Statistical Computing | 3.0 |
| PBHL 628 | Survival Data Analysis | 3.0 |
| PBHL 629 | Design & Analysis of Clinical Trials | 3.0 |
| PBHL 684 | Biostatistics Theory II | 3.0 |
| PBHL 686 | Advanced Statistical Computing | 3.0 |

Community Health and Prevention Electives

| | | |
|----------|--|-----|
| PBHL 805 | Qualitative Research in Community Health | 3.0 |
| PBHL 809 | Community Health Policy Development and Analysis | 3.0 |

Environmental and Occupational Health Electives

| | | |
|----------|---|-----|
| PBHL 648 | Public Health Readiness and Disaster Preparedness | 3.0 |
| PBHL 649 | Occupational and Environmental Cancers | 3.0 |
| PBHL 661 | Occupational and Environmental Diseases | 3.0 |

Epidemiology Electives

| | | |
|----------|-------------------------------------|-----|
| PBHL 633 | Epidemiology of Cancer | 3.0 |
| PBHL 636 | Infect Disease Epidemiology | 3.0 |
| PBHL 638 | Perinatal Epidemiology | 3.0 |
| PBHL 639 | Cardiovascular Disease Epidemiology | 3.0 |

Health Management and Policy Electives

| | | |
|----------|--|-----|
| COM 675 | Grant Writing: Arts/Humanities | 3.0 |
| PBHL 602 | HMP Problem Conceptualization | 3.0 |
| PBHL 604 | Public Health Advocacy & Activism | 3.0 |
| PBHL 606 | Vaccines and Public Health Policy | 3.0 |
| PBHL 607 | Evolution of US Health Policy | 3.0 |
| PBHL 615 | Perspectives on Gender, Race, Ethnicity, and Social Class | 3.0 |
| PBHL 617 | Health Disparities: Systemic, Structural, Environmental & Economic | 3.0 |
| PBHL 618 | Historical and Contemporary Developments in Social Justice | 3.0 |
| PBHL 802 | Health and Human Rights | 3.0 |
| PBHL 817 | Economic Evaluation Methods | 3.0 |
| PBHL 851 | Health Systems Policy Analysis | 3.0 |
| PBHL 852 | Economics of Social Justice | 3.0 |
| PBHL 854 | Politics of Food and Gender | 3.0 |
| PBHL 856 | Violence, Trauma, Adversity in Public Health | 3.0 |



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The Executive Master of Public Health

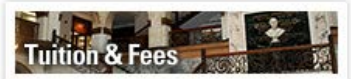
About the Program

Modeled on the highly successful full-time MPH program offered by the School of Public Health since 1996, the Executive Program is designed for working professionals, whether in public health or considering a career change to public health, who wish to accelerate or redirect their career. The program 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 MPH Executive Program is designed to enable individuals to acquire a generalist MPH in 21 months with a convenient class schedule and intensive utilization of the internet. The class meets one Friday and one Saturday each month. Between class sessions, students utilize web-based technologies to interact with facilitators and other students with whom they may be collaborating in preparation for the next class.

Like the full-time MPH Program, the Executive Program covers the major disciplines of public health, including Community Health and Prevention, Environmental and Occupational Health, Epidemiology, Biostatistics, and Health Management and Policy. It is case-based and built upon the problem based learning (PBL) model in which the student becomes a self-directed learner as well as a collaborator in learning with her/his peers, assisted by the faculty facilitator. The PBL model develops in the student a set of skills designed to effectively address the increasingly dynamic, uncertain world in which we live and work and prepares each individual to be an effective life-long learner.

For more information, visit the School of Public Health's [Executive Master of Public Health Degree](#) page.



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Executive Master of Public Health (MPH)

Admission Requirements

The School of Public Health seeks students with intellectual and interpersonal competencies as well as those with potential for leadership. The school has set a high priority on establishing a student body that is representative of the nation's population. We strive to recruit and to admit applicants from underrepresented minority groups who can contribute to the richness of our student population and to that of the nation's public health professionals.

While most of the students in the Executive MPH program are from the Philadelphia area, the format of the program does not limit students from outside of the Philadelphia region from attending.

Admissions process:

- The Admissions Committee carefully reviews applications and gives personal essays and letters of recommendation particular attention.
- The selection process weighs prior academic and personal accomplishments, emphasizing demonstrated leadership.
- Diversity of background and outside interests, depth of self-appraisal, commitment to public health, and working with individuals are highly valued.
- A minimum of 3 years of professional work experience is required.

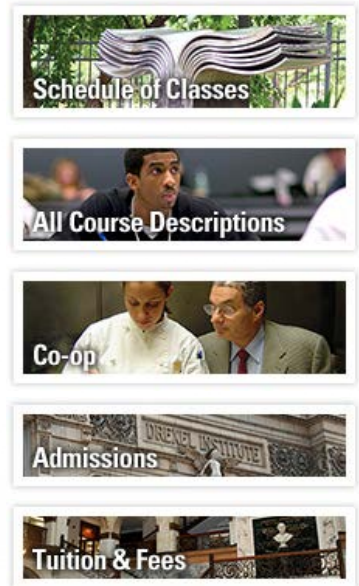
Applicants should have:

- Satisfactorily completed an undergraduate bachelor degree program in an accredited U.S. college or university, or its equivalent in another country
- A course in Statistics is highly recommended
- Six undergraduate or graduate credits in the social or behavioral sciences and three in the biological sciences are preferred, but not required.
- Satisfactory results from one of the following taken within the past five years (the GRE or GMAT is preferred):
 - o Graduate Record Examination (GRE)
 - o Graduate Management Admission Test (GMAT)
 - o Medical College Admission Test (MCAT)
 - o Law School Admission Test (LSAT)
- Test of English as a Foreign Language (TOEFL) for applicants whose first language is not English

The Application Process also requires:

- Completion of the School's application
- A personal essay describing what you perceive to be pressing public health issues, why a career in the field appeals to you, and how it will use your strengths and commitment
- Three letters of recommendation
- Resume or CV.

Forms, details about requirements, and information about application deadlines are all available on the [Executive MPH](#) page of Drexel's Graduate Admissions website.



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Executive Master of Public Health (MPH)

42.0 Credits

Degree Requirements

The Executive Program is designed for working professionals, whether in public health or considering a career change to public health, who wish to accelerate or redirect their career. The program 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 Executive MPH program requires a minimum of 42.0 credits. All degree requirements must be completed within five years of the date of matriculation. A minimum of five consecutive academic semesters is required for the degree. Enrollment must be continuous unless academic leaves are granted. A minimum overall GPA of 3.0 is required for graduation.

The sequential blocks of courses are as follows:

Block I

Introduction to Public Health

Introduction to Public Health introduces the mission, roles, issues, and context of public health, community health, and health systems. Topics include the history and mission of public health as well as a comprehensive exploration of the definition of public health including the essential services and core functions of public health. In addition, the relationships between public health, social justice, and human rights are examined. Block I introduces and explores the five disciplines of public health: Epidemiology and Biostatistics, Community Health and Prevention, Environmental and Occupational Health, and Health Management and Policy.

Block II

Biostatistics

Introduces and applies the biostatistics tools and analytical base required for population-based and community health assessment and evaluation. The focus is on providing a broad and basic understanding of biostatistics, with more advanced methods included as appropriate.

Block III

Epidemiology

Introduces and applies the principles of epidemiology and study design needed to support population-based and community-health assessment and evaluation. Basic and more advanced methods are covered as appropriate, with applications to public health and community contexts.

Block IV

Behavioral Assessment

Behavioral Assessment is an interdisciplinary block that focuses on how individuals and groups approach issues of health behavior, health communication, and health promotion. The goal is to acquire basic knowledge of social and behavioral science theories, models, and research methods. Developmental theories and concepts are also introduced as an important component to understanding and analyzing behavior change models and program design. The concept of social determinants of health and the human rights framework will be introduced to analyze and develop public health interventions and policies.

Block V

Community Assessment

Examines concepts and theories regarding planned change, including models of community organization for health promotion. Presents critical appraisal of communitywide health communication campaigns.

Block VI

Health Management and Leadership

Explores critical elements of the assurance role of public health, beginning from the premise that effectiveness of program delivery and of the assurance role itself requires an understanding of organizations, leadership, and change in economic, strategic & systemic context. Applies management concepts and theories through an integrated model of the management process. In the latter portion of the block it extends, applies, and integrates previously developed concepts and theories with those of strategy, planning, accounting, financial management, and information systems

Block VII



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Program Planning and Evaluation

The block content is built on the premise that the health-assurance role of public health begins with program planning, development, implementation and evidence-based practice. Examines concepts and theories underlying program planning, development, and evaluation. Emphasizes program application in context of specific problems and community context.

Block VIII

Public Health Independent Study

Allows students to develop in-depth knowledge of concepts and theories, and competencies in an area of public health that is of special interest to the student through preparation of a major paper under the guidance of a faculty member.

Block IX

Environmental and Occupational Health

Introduces concepts, theories, and programmatic applications within the fields of environmental and occupational health.

Block X

Health Policy and Advocacy

Introduces the fundamentals of public health law and the concepts and theories of health policy development, adoption, and evaluation. Also introduces the advocacy process and its importance to development of sound public health policy. Emphasizes systemic integration and the integration of the assessment, assurance and policy development roles of public health in problem, population, and political context.

Block XI

Capstone: Integrated Public Health Case Analysis

This course has been designed to fulfill the requirement that all Master of Public Health degree candidates have the opportunity, as described by the Council on Education for Public Health, "to synthesize and integrate knowledge acquired in course work and other learning experiences and to apply theory and principles in a situation that approximates some aspect of professional practice". This is accomplished through student engagement with multidisciplinary cases, including the preparation of an original case.

For additional information, students should visit the [Public Health, Executive MPH](#) page on the Center for Graduate Studies, Sacramento web site.



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About the Doctor of Public Health in Community Health and Prevention

Drexel University's [School of Public Health](#) offers a doctoral program in Community Health and Prevention, leading to the doctor of public health (DrPH) degree. The mission of the School of Public Health is to promote health and quality of life through graduate education, applied research, and community service in the prevention and control of disease, injury, and disability. The DrPH program in Community Health and Prevention builds upon the unique strengths of the School of Public Health, including the master's program in public health, a multidisciplinary faculty, and institutional resources.

The goal of the DrPH program in Community Health and Prevention is to produce doctoral-level public health graduates who exhibit a broad-based, systemic understanding of public health and are committed to effecting meaningful change in public and/or community health systems. Integrating applied research, education, service, and advocacy, the program emphasizes the application of interdisciplinary, theoretical, and applied research paradigms to the understanding and prevention of public health problems.

The DrPH program in Community Health and Prevention is structured as follows: *required courses*, which build core competencies in community health and prevention; *elective courses*, which develop specific areas of expertise; the *comprehensive exam* which reassures student understanding and application of core public health competencies; the *practicum*, which structures the application of concepts and methods to solving public health problems; and the *dissertation*, which showcases the student's competency in applied research. This general framework is infused with community public health practice, rigorous qualitative and quantitative applied research methods, and skilled advocacy.

Developing Core Competencies for Understanding and Solving Public Health Problems

Students in the DrPH program in Community Health and Prevention are expected to attain five core competencies for understanding and solving specific public health problems. The core competencies for the DrPH program integrate public health competencies developed by the Council on Linkages between Academia and Public Health Practice* with the unique characteristics of the faculty of the Department of Community Health and Prevention and the practice community.

The five core competencies are as follows:

- Understand the mission, goals, and strategies of community health and prevention
- Understand and assess community health status and needs
- Understand and assess individual and environmental determinants of health
- Design, implement, and evaluate public health programs and policies
- Translate findings into policy recommendations and advocate for change

*The Council on Linkages between Academia and Public Health Practice represents national public health academic and practice organizations including the American Public Health Association, the Association of Schools of Public Health, and the Centers for Disease Control and Prevention. Over the past decade, the council has developed a list of public health competencies to guide curriculum development in public health education.

For more information, visit the Drexel University [School of Public Health](#) website.



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Doctor of Public Health (DrPH) in Community Health and Prevention

Admission Requirements

Admission to the doctor of public health program in Community Health and Prevention is competitive. Students who demonstrate an ability to integrate public health competencies and skills into public health practice are preferred.

Applicants to the DrPH program must meet the following requirements:

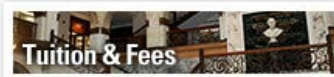
- A master's of public health degree (MPH) or a master's degree in a related field
- Documented evidence of applied research
- Potential for a high level of performance in the DrPH program and for significant contributions to the field of public health.

To qualify for admission, the applicant must present a portfolio that includes:

- Undergraduate and graduate transcripts;
- GRE General Test (verbal, quantitative, analytical writing);
- Evidence of applied research skills (master's thesis, master's research paper, or publication);
- Three letters of recommendation, including one from a public health practitioner; and
- A written statement of career and educational goals, professional experience, and area of interest for the dissertation.
- An in-person or telephone interview is required of all finalists.

For more information, contact the Academic Coordinator for the School of Public Health/DrPH Program, Drexel University, 245 N. 15th Street, MS 660, Philadelphia, PA 19102-1192,

Forms, details about requirements, and information about application deadlines are all available on the [DrPH Community Health and Prevention](#) page of Drexel's Graduate Admissions website.



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Doctor of Public Health in Community Health and Prevention (DrPH)

Degree Requirements

Completion of the DrPH program requires the following:

- 60 quarter credit hours of coursework beyond the master's degree (30 credits of required coursework; 9 credits of elective courses; a 3 credit practicum; and 12 credits for the dissertation). Coursework covers the theory and practice of community health and prevention, health and human rights, community health interventions, qualitative research methods, community epidemiology, statistical methods for prevention research, program evaluation, health policy development and analysis, and leadership and advocacy;
- a minimum cumulative grade point average of 3.3;
- completion of the a practicum experience;
- passage of the doctoral comprehensive/candidacy examination; and
- completion of a dissertation that is highly relevant to community health practice and involves applied research, policy analysis, or management analysis.

All coursework is designed to develop the five core competencies of community health and prevention.

Electives

The 9 credits of elective coursework enable doctoral students to expand and enhance skills within specific areas of competency. New courses are developed and added regularly, based on interests of faculty and students. Three electives (indicated by an *) are highly recommended.

Note: Students are not limited to the electives offered by the DrPH program. Each student is encouraged to choose electives that maximize the fit between the student's educational objectives and opportunities throughout the University.

Curriculum

| School Required Courses | | 15.0 Credits |
|-------------------------|--|--------------|
| PBHL 620 | Intermediate Biostatistics | 3.0 |
| PBHL 630 | Intermediate Epidemiology | 3.0 |
| PBHL 632 | Applied Survey Research in Epidemiology | 3.0 |
| PBHL 802 | Health and Human Rights | 3.0 |
| PBHL 804 | Research Methods for Community Health and Prevention | 3.0 |

| Department Required Courses | | 21.0 Credits |
|-----------------------------|--|--------------|
| PBHL 801 | Theory & Practice of Community Health and Preventions I | 3.0 |
| PBHL 803 | Theory & Practice of Community Health and Preventions II | 3.0 |
| PBHL 805 | Qualitative Research in Community Health | 3.0 |
| PBHL 808 | Community Program Evaluation | 3.0 |
| PBHL 824 | Public Health Ethics | 3.0 |
| PBHL 825 | Measuring Health | 3.0 |



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|----------|--|-----|
| PBHL 814 | Community-Based Participatory Research | 3.0 |
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Practicum 3.0 Credits

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|----------|--|-----|
| PBHL 810 | Practicum in Community Health and Prevention | 3.0 |
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Dissertation Sequence 12.0 Credits Minimum

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|----------|------------------------|-----|
| PBHL 901 | Dissertation Seminar I | 5.0 |
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| PBHL 902 | Dissertation Seminar II | 5.0 |
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| PBHL 998 | Dissertation Guidance | 1.0 - 6.0 |
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Electives 9.0 Credits

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|----------|---|-----|
| PBHL 822 | Independent Study in Community Health and Prevention: Leadership* | 3.0 |
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| PBHL 822 | Independent Study in Community Health and Prevention: Public Health Ethics* | 3.0 |
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| PBHL 670 | Multicultural Competence in Community Health and Prevention | 3.0 |
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| PBHL 671 | Theory and Practice of Community Health Promotion | 3.0 |
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| PBHL 672 | Theory and Practice of Health Communication | 3.0 |
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| PBHL 673 | Outcome Assessment in Community Health and Prevention | 3.0 |
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| PBHL 806 | Community Health Research Methods | 3.0 |
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| PBHL 807 | Analytic Methods for Community Health and Prevention | 3.0 |
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| PBHL 814 | Community Based Participatory Research | 3.0 |
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| PBHL 817 | Economic Evaluation Methods for Community Health and Prevention | 3.0 |
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|----------|---------------------------------------|-----|
| PBHL 818 | Community Nutrition and Food Politics | 3.0 |
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| PBHL 819 | Understanding and Preventing Domestic Violence | 3.0 |
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| PBHL 820 | Adolescent Risk Behavior in a Developmental Context | 3.0 |
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| PBHL 821 | Public Health Practice in and with Latino Communities | 3.0 |
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| PBHL 822 | Independent Study in Community Health and Prevention | 1.0 - 3.0 |
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*This is a highly recommended elective.

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About the Doctor of Public Health in Health Policy and Social Justice

About the Program

Drexel University's [School of Public Health](#) offers a doctoral program in Health Policy and Social Justice, leading to the doctor of public health (DrPH) degree.

The mission of the School of Public Health is to promote health and quality of life through graduate education, population-based research, and community service in the prevention and control of disease, injury and disability and the maintenance of health and quality of life. Effective public health practice is built on a foundation of effective programs and health policy and necessitates long-term partnerships with community, organizations and regulatory bodies.

Inequities based on social group memberships, including race, ethnicity, gender, sexual orientation and class, are well documented in the scientific literature. Equally alarming are disparities in access to health care and health outcomes based on race, ethnicity and other social indicators. Graduates of the DrPH in Health Policy and Social Justice will generate new knowledge about social justice and will use this knowledge in the analysis, evaluation and modification of existing policy as well as the design and delivery of new policy affecting public health practice.

The DrPH in Health Policy and Social Justice will prepare students to play strong professional roles in developing and implementing policies that improve public health by focusing on those who are most vulnerable. By studying important racial and ethnic, social class and gender differences within the larger social justice framework, students will emerge from the program with a sound theoretical and practical foundation for critical scholarship in health disparities, cultural competency and social justice. Furthermore, they will gain the tools to implement effective policies in both public and private health sectors.

Developing Core Competencies for Understanding and Solving Public Health Problems

The core competencies of the DrPH were developed in response to the proposed core competencies of the Council on Linkages between Academia and Public Health Practice. These competencies include the ability to:

- Identify health system problems and health policy opportunities
- Analyze structural, economic and political forces that affect the health of populations
- Evaluate the social justice implications of policy formulation, analysis and implementation
- Inform and education leaders and policy-makers about public health issues and opportunities
- Develop policies and plans that support the health of the public
- Apply sound health economics principals and methods to health policy analyses
- Evaluate effectiveness, accessibility, outcomes and quality of health services
- Research for new insights and innovative approaches to public health policy
- Apply social justice and human rights principles when addressing health system and health policy problems and opportunities
- Conduct policy and health services research to improve health and health services in diverse populations
- Develop public health policies and strategies based upon well-articulated problem statements and an understanding of the values of the communities involved
- Use appropriate methods of policy analysis, economic evaluation, measurement and statistical approaches to reach sound and defensible conclusions
- Disseminate findings, analyses and effective models to the lay public, leaders and policy makers across disciplines.

For more information, visit the Drexel University [School of Public Health](#) website.



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Doctor of Public Health (DrPH) in Health Policy and Social Justice

Admission Requirements

Applicants to the DrPH Program in Health Policy and Social Justice must meet the following requirements:

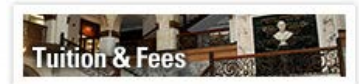
- MPH degree or master's degree in a related field.
- Potential for high level of performance in the DrPH Program and subsequent contributions to the field of Public Health Policy.

Students will be admitted on a competitive basis, and those with a demonstrated ability to integrate public health competencies and skills into public health practice will be preferred. The admission portfolio will include: undergraduate and graduate transcript, three letters of recommendation from faculty or professionals who can evaluate the applicant's promise as a graduate student, official Graduate Record Examination scores, documented evidence of applied research or a writing sample, and a written statement of career and educational goals, professional experience, and area of research interest. For international students or applicants who earned a degree outside of the U.S., an international transcript evaluation is required. For more information regarding international applicant requirements, view the [International Students Admissions Information](#) page.

An in-person or telephone interview is required of all finalists.
For more information, contact:

Mr. Solomon Evans
School of Public Health/DrPH Program
Drexel University
Friends Center
1501 Cherry Street, 2nd Floor
Philadelphia PA 19102-1403

Forms, details about requirements, and information about application deadlines are all available on the [DrPH in Health Policy and Social Justice](#) page of Drexel's Graduate Admissions website.



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Doctor of Public Health (DrPH) in Health Policy and Social Justice

Degree Requirements

Completion of the DrPH in Health Policy and Social Justice requires the following:

- 60 quarter credit hours of coursework beyond the master's degree (33 credits of required coursework; 12 credits of elective course; a 3 credit practicum; and 12 credits for the dissertation).
- a minimum cumulative grade point average of 3.3;
- completion of a practicum experience;
- passage of the doctoral comprehensive/candidacy examination; and
- completion of a dissertation that involves applied research, policy analysis, or management analysis.

All coursework is designed to develop the core competencies of health policy and social justice.

Electives

The 12 credits of elective coursework enable doctoral students to expand and enhance skills within specific areas of competency. New courses are developed and added regularly, based on interests of faculty and students. Students are not limited to the electives offered by the DrPH program. Each student is encouraged to choose electives that maximize the fit between the student's educational objectives and opportunities throughout the University.

Curriculum

Required Courses (Doctoral Core)

15.0 Credits

| | | |
|----------|--|-----|
| PBHL 620 | Intermediate Biostatistics | 3.0 |
| PBHL 630 | Intermediate Epidemiology | 3.0 |
| PBHL 632 | Applied Survey Research in Epidemiology | 3.0 |
| PBHL 802 | Health and Human Rights | 3.0 |
| PBHL 804 | Research Methods for Community Health and Prevention | 3.0 |

Department Required Courses

18.0 Credits

| | | |
|----------|---|-----|
| PBHL 615 | Perspectives on Gender, Race, Ethnicity and Social Class | 3.0 |
| PBHL 617 | Health Disparities | 3.0 |
| PBHL 618 | Historical and Contemporary Developments in Social Justice | 3.0 |
| PBHL 851 | Health Systems Policy Analysis | 3.0 |
| PBHL 853 | Applied Health Economics: Technology Assessment and Economic Evaluation | 3.0 |
| PBHL 805 | Qualitative Research in Community Health | 3.0 |
| or | | |
| PBHL 855 | Health Services Research | 3.0 |



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Practicum **3.0 Credits**

| | | |
|----------|---|-----|
| PBHL 850 | Practicum in Health Policy and Social Justice | 3.0 |
|----------|---|-----|

Dissertation **12.0 Credits (minimum)**

| | | |
|----------|-----------------------|-----------|
| PBHL 998 | Dissertation Guidance | 1.0 - 6.0 |
| PBHL 998 | Dissertation Guidance | 1.0 - 6.0 |
| PBHL 998 | Dissertation Guidance | 1.0-6.0 |

Electives **12.0 Credits**

In consultation with their advisors, students select elective courses appropriate for their educational goals. These courses may be from the School of Public Health or may be offered by other schools and colleges at Drexel University.



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PhD in Epidemiology

About the Program

The PhD 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.

For additional information about the program, visit Drexel's [School of Public Health](#) web site.



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PhD in Epidemiology

Admission Requirements

Applicants to the PhD program in Epidemiology must meet the following requirements:

- MPH degree or master's degree in epidemiology or a related field.
- Potential for high level of performance in the PhD program and subsequent contributions to the field of epidemiology.

The application package will include:

- undergraduate and graduate transcripts,
- three letters of recommendation from faculty or professionals who can evaluate the applicant's promise as a graduate student
- official Graduate Record Examination scores (no other standardized test accepted for this program),
- a written statement of career and educational goals, professional experience, and area of research interest.

An in-person or telephone interview is required of all finalists.

All entering students are expected to have already completed introductory and intermediate level epidemiology and biostatistics courses (equivalents of PBHL 520, 530, 620, 630) as part of their Master's program or must enroll in these courses, or their equivalents, as additional requirements.

Forms, details about requirements, and information about application deadlines are all available on the [PhD in Epidemiology](#) page of Drexel's Graduate Admissions website.



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PhD in Epidemiology

69.0 quarter credits

Degree Requirements

Completion of the PhD in Epidemiology requires: (1) a minimum of 69.0 quarter credit hours of course work beyond the master's degree; (2) a minimum cumulative grade point average of 3.3; (3) passing the doctoral comprehensive examination; (4) passing the candidacy oral examination; (5) completing a dissertation of publishable quality; and (6) passing the final defense.

A student in the PhD degree program shall have five calendar years from the date of initial registration to complete and successfully defend a dissertation.

Electives

All students must complete two epidemiology area electives, two biostatistics area electives, and two additional electives. For their additional electives, students can choose from many different epidemiology or biostatistics courses, or from other graduate-level courses across the university which have been identified as possible electives.

Curriculum

School of Public Health Core Courses 9.0 Credits

| | | |
|--------------------------|---|-----|
| PBHL 555 | Public Health Ethics | 3.0 |
| PBHL 632 | Applied Survey Research in Epidemiology | 3.0 |
| PBHL 802 | Health and Human Rights | 3.0 |

Departmental Required Courses 29.0 Credits

| | | |
|--------------------------|----------------------------------|-----|
| PBHL 620 | Intermediate Biostatistics I | 3.0 |
| PBHL 621 | Intermediate Biostatistics II | 3.0 |
| PBHL 630 | Intermediate Epidemiology | 3.0 |
| PBHL 636 | Infectious Disease Epidemiology | 3.0 |
| PBHL 826 | Causal Inference in Epidemiology | 3.0 |
| PBHL 830 | Advanced Epidemiology | 4.0 |
| PBHL 831 | PhD Seminar in Epidemiology I | 1.0 |
| PBHL 833 | Epidemiology PhD Seminar II* | 3.0 |
| PBHL 833 | Methodological Challenges | 3.0 |
| PBHL 835 | Proposal Writing Seminar | 3.0 |

*May be taken more than once for credit.

Dissertation 12.0 Credits

| | | |
|--------------------------|-------------------------------------|----------|
| PBHL 999 | Dissertation Guidance/Epidemiology* | 1.0-12.0 |
|--------------------------|-------------------------------------|----------|

**Number of credits taken each quarter is variable depending on stage of the project and other credit load. May be taken for additional credits if necessary.

University Required Course 1.0 Credit



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| | | |
|----------|---|-----|
| EDUC 531 | College Teaching and Communication Skills | 1.0 |
|----------|---|-----|

A minimum of two Epidemiology Area electives: 6.0 Credits

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|----------|---|-----|
| PBHL 633 | Cancer Epidemiology | 3.0 |
| PBHL 634 | Epidemiology for Public Health Practice | 3.0 |
| PBHL 635 | Social and Psychiatric Epidemiology | 3.0 |
| PBHL 638 | Perinatal Epidemiology | 3.0 |
| PBHL 639 | Cardiovascular Disease Epidemiology | 3.0 |

A minimum of two Biostatistics Area electives: 6.0 Credits

| | | |
|----------|--|-----|
| PBHL 622 | Introduction to Biostatistics Theory | 3.0 |
| PBHL 623 | Biostatistics Computing | 3.0 |
| PBHL 625 | Longitudinal Data Analysis | 3.0 |
| PBHL 628 | Survival Analysis | 3.0 |
| PBHL 629 | Design and Analysis of Clinical Trials | 3.0 |

Additional electives 6.0 Credits

Students select other epidemiology or biostatistics courses, or electives from other graduate-level courses across the university which have been identified as possible electives. See the [PhD Program Guide](#) for additional information.



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Certificate in Epidemiology and Biostatistics

9.0 credits

The Certificate in Epidemiological and Biostatistical Principles and Methods for Public Health in the Twenty-First Century, offered by Drexel University's School of Public Health, is an interdisciplinary program designed for working professionals of diverse backgrounds, including public health administrators, physicians, nurses, clinical research professionals, health educators, and policy experts.

Never before has disease prevention and health promotion been more important. As world events develop, with the added threat of bioterrorism and other emerging public health issues, those who can apply knowledge gained through 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 program is supervised by the School of Public Health's director of eLearning and the department chair. The program is administered through Drexel eLearning. Applications to the certificate program are managed by Drexel eLearning. For the most current admission information, please visit www.drexel.com.

About the curriculum

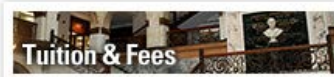
The certificate program provides research-oriented training in the theory and tools of core public health disciplines. Students build the statistical background needed to conduct research, develop hypotheses, analyze data, and interpret and communicate results.

The certificate program consists of three sequential 3-credit courses. Each course is taught over a 10-week period, allowing completion of the certificate within a 30-week period. The curriculum reflects core epidemiological and biostatistical concepts and practices in a similar manner to the full-time and Executive MPH programs. Contact between faculty and students creates an intense experience over this exclusively online format. The online format allows asynchronous learning while providing flexibility for adult learners constrained by physical and time limitations.

| Requirements | | 9.0 Credits |
|--------------------------|--|-------------|
| PBHL 701 | Introduction to Descriptive Epidemiology and Biostatistics | 3.0 |
| PBHL 702 | Introduction to Analytic Epidemiology and Biostatistics | 3.0 |
| PBHL 703 | Design and Analysis of Epidemiological Studies | 3.0 |

Additional information

For more information about the program, visit the [Certificate in Epidemiology & Biostatistics](#) on the Drexel Online web site.



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