



DREXEL UNIVERSITY
Dornsife
School of Public Health

MASTER OF SCIENCE PROGRAMS



Master of Science Programs at Dornsife

The Dornsife School of Public Health has recently expanded its master of science (MS) degree programs to offer students a greater range of opportunities to specialize in subjects critical to public health practice and research. While all Drexel Dornsife students have opportunities to conduct research, students in MS programs are able to work closely with expert faculty on specific areas of interest. In addition, students who have PhDs, MDs, or other advanced degrees, may find that an MS provides a unique opportunity to investigate and become an expert in topics that inform public health aspects of medicine, nursing, law, or other fields.

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MS in Biostatistics

Graduates of the MS Biostatistics program are prepared to make immediate contributions to the public health and biomedical research field upon graduation. Students gain 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, conducting analyses and reporting findings both orally and in writing.

The program features internationally recognized faculty, a practicum research experience based in a public health or biomedical setting, small classes, and many opportunities for students to receive individual mentoring from faculty members.

MS in Public Health Ethics

The Master of Science in Public Health Ethics equips students with the knowledge and skills needed to identify, understand, and analyze ethical issues in public health and to work towards real-world solutions to ethical issues. Students will receive in-depth training in ethical theory and decision-making and the ethical dimensions of public health research, practice, and policy. Students will also receive training in public health systems and research methods.

The degree is excellent preparation for careers in health care compliance, ethical and regulatory pharmaceutical and biotechnical industries, institutional review boards, and community health.

MS in Health Services Research and Policy

The Master of Science 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 the department of Health Management and Policy's interdisciplinary faculty, Drexel Dornsife's emphasis on urban health and social justice, and the School's location in Philadelphia—the 5th largest city in the United States.

The degree allows professionals already working in research capacities in hospitals, health care systems, or health policy to advance their careers.

MS in Environmental and Occupational Health Sciences

The Master of Science in Environmental and Occupational Health Sciences offers students a research oriented degree in environmental sciences, focused on building the knowledge and skills needed to identify and answer important questions about how the environment influences human health and to disseminate those findings. Students undergo rigorous training in the research methods required to address key questions and generate evidence on how the environment influences health, focusing on modifiable factors that can be addressed through policy.

The program prepares students to become independent researchers, while developing the professional competencies needed to hold leadership positions in environmental science and in occupational health and safety.

MS in Epidemiology

The MS in Epidemiology gives students a solid understanding of epidemiologic principles and methods, and the ability to apply that understanding and skill to solutions to complex health problems.

The curriculum and project requirements are designed to prepare students 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. Upon graduation, students will have attained competencies in two areas: general epidemiology knowledge and skills, and epidemiologic research methods. Program graduates will be prepared to work in an applied epidemiologic and health research field, or pursue doctoral training in Epidemiology.

MS in Population Health Sciences

The Master of Science in Population Health Sciences offers students an opportunity to develop and maintain an independent research program in clinical and population health sciences. It is ideal for students who already have an MD or PhD, as well as others, who wish to undergo rigorous training in research methods in epidemiology and biostatistics, with a focus on applying these methods to their area of expertise. The program is extremely flexible so that students can customize their curriculum to fit their research needs.

Students graduate with the ability to design and carry out clinical and translational research, successfully work in multidisciplinary teams, and build careers in research in the health sciences.