



Advancing Population Health

Lehigh University's College of Health is the first in the world to offer an undergraduate degree and certificate programs in population health data science with a focus on health innovation and technology, placing it in a unique position to develop students capable of meeting the increasing employment needs of the health care sector. We invite you to be a part of the next generation of leaders in shaping the fast-growing field of population health.

Bachelor of Science in Population Health

The field of population health science seeks to advance our understanding of the multiple determinants of health, from cell to society, and how they interact to produce the health outcomes that we observe. Lehigh's bachelor of science degree in population health prepares students to investigate the determinants of health using data science, and to identify novel and effective avenues for disease prevention, health promotion, diagnosis, and intervention.

Students gain knowledge and skills through coursework, experiential learning, research projects and engagement with traditional and nontraditional partners in pursuit of a healthier world.

The program combines courses in population health with foundational courses in mathematics, natural sciences, social sciences, and humanities. A capstone project in which students plan, implement and evaluate a population health project is a cornerstone of the BS program.

Core Courses

- Introduction to Population Health
- Population Health Research Methods and Application
- History of Population Health
- Biological Basis of Population Health
- Population Health Data Science sequence
- Methods in Epidemiology
- Seminars in Research Ethics, Writing for Science, and Design Thinking

Areas of Concentration

- Epidemiology and Biostatistics
- Community Health
- Health Innovation and Technology
- Global Health
- Social and Behavioral Health
- Health Policy and Management
- Environmental Health

CERTIFICATES

Population Health Certificate

The Population Health Certificate is a 16-17 credit program for students not enrolled in the College of Health. Through coursework embedded with hands-on learning, students learn and apply introductory-level Population Health concepts and methodology.

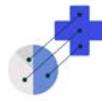


Global Population Health Certificate

The Global Population Health Certificate is a 15-17 credit program that includes core courses and international experiential learning. Students gain an understanding of global health issues and their determinants, and comparative approaches for health promotion, disease prevention, and health care delivery in the international sphere.

Be a Leader in Existing and Emerging Careers

Lehigh's population health alumni will be highly qualified to pursue careers in the private sector, non-profit organizations, or local, state, federal, and international governmental institutions, or go on to obtain graduate-level research or clinical training. They may work in fields including epidemiology, medicine, data science, biostatistics, global health, health economics, health policy, community health, health promotion, and health innovation and technology. Graduates can work in many different industries in a variety of roles and have the flexibility to move across sectors and disciplines given their in-demand education, skills, and experiences.



PUBLIC SECTOR

Job titles include: Policy Scientist, Policy Analyst, Public Health Program Administrator, Health Educator and Grants Manager.

Sample employers include: the National Institutes of Health, Centers for Disease Control and Prevention, State Health Departments and Peace Corps.



ACADEMIA

As the field of population health pushes forward, there will be opportunities in the academic arena to further study this dynamic field.

Job titles include: Professor, Research Assistant, Research Coordinator and Biostatistician.

Sample employers include: stand-alone universities, medical schools and schools of public health.



PRIVATE SECTOR

Job titles include: Population Health Data Scientist, Industry Consultant, Health Researcher, Bioinformatician, Health Systems Integrator and Epidemiologist.

Sample employers include: Hospitals & Health Systems, Blue Cross Blue Shield, Kaiser Permanente, BD, Amgen, Pfizer, IBM Watson Health, Optum Labs, Novo Nordisk, Google Health, Microsoft Health, Accenture, Deloitte, Battelle, Mathematica Policy Research and SAIC.



NON-PROFIT

Job titles include: Community Health Director, Project Manager, Program Coordinator and Engagement Specialist.

Sample employers include: American Heart Association, American Lung Association, American Hospital Association, World Health Organization, RTI International, FHI360, ECRI Institute, Commonwealth Fund and Robert Wood Johnson Foundation.

Impact Millions of Lives Locally and Around the World

Through experiential learning and community engagement, College of Health graduates will address the most significant health problems of their generation and future generations. Their education, research and service while at Lehigh stands to improve the lives of millions of people.



Dr. Whitney P. Witt,

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Social Media

Follow @LehighUHealth to stay up to date with the latest news from the College of Health.

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