

College of Health

College Leadership:

Elizabeth A. Dolan, *Dean*

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Lehigh's College of Health strives for a world where everyone can reach their highest level of health. We make unconventional connections across diverse fields of study, conduct research that prioritizes real-world impact, and provide education through experience.

We offer degree programs at undergraduate and graduate levels. Our faculty conduct research, often with students, and address health comprehensively, accounting for the unique factors that impact, or determine, health, including race, gender, food security, policy, and physical environment. Faculty and students partner with affected communities to create technology-forward, data-driven methods of improving health that are culturally appropriate, accessible, and truly useful to the communities they are made to empower.

We prepare students to improve health in communities with experience that will make them stand out, whether they pursue higher education like medical school, or a career in healthcare, consulting, government, nonprofit, or any of the other many areas in the health economy.

UNDERGRADUATE

College of Health programs prepare students for a myriad of careers in health and healthcare. Students receive an applied education through a multi-disciplinary approach, emphasizing community partnership and the use of technology and data. We offer BA and BS degrees as well as minor programs that integrate ethics, cultural understanding, and social justice. Regardless of the degree program, real-world experience is central to a College of Health degree— 25% of our major course requirements are experiential. All students have the opportunity to engage in health-related research projects, field experiences, internships, study abroad programs, and more. With our hands-on, comprehensive approach to health, students learn how health and illness are just pieces of the larger puzzle of social, political, and environmental determinants, and strive to create a world where health equity is accessible for everyone. All College of Health undergraduate degrees require a minimum of 120 credits.

GRADUATE PROGRAMS

College of Health graduate programs equip students to understand and appropriately improve the health and well-being of populations and communities locally, nationally, and globally. Students investigate and address the multiple determinants of health through technology- and data-driven research and community partnership in all College of Health graduate programs. We empower our graduate students to shape the future to improve health of populations.

CAREERS

Career pathways for students studying in the College of Health are abundant and wide-ranging. Students pursue employment directly in the steadily-growing healthcare sector at health systems and hospitals, in the private sector at consulting firms and pharmaceutical companies, in political and governmental fields at state, federal and international levels, as well as the nonprofit sector at NGOs and community-based organizations. We prepare students to improve the health of communities through a variety of avenues including epidemiology, medicine, data science, biostatistics, public health, community health, global health, health economics, health policy, health promotion, health research, and health technology and

innovation. At the College of Health, students prepare for a flourishing career and an innovative pathway dedicated to helping others.

RESEARCH CENTERS AND INSTITUTES

Lehigh's College of Health is home to three interdisciplinary institutes that focus on investigative research on specific topics and areas of expertise. Lehigh and its partners invest in research institutes that excel at focused and multidisciplinary studies, working together to solve problems both locally and globally. We study, analyze, and develop knowledge in areas of health using collaboration and communication to help generate discoveries. There is also a Health Data Warehouse, a joint initiative with the College of Business, and a secure, high-performance computing environment designed to support faculty and researchers in health data science, AI-driven analytics, and custom software development.

- Children's Environmental Precision Health Institute (CEPH) (<https://health.lehigh.edu/research-partnerships/childrens-environmental-precision-health-institute/>)
- health data warehouse (<http://catalog.lehigh.edu/graduatestudyandresearch/researchcentersandinstitutes/hdw/>)
- Institute for Indigenous Studies (IIS) (<https://health.lehigh.edu/research-partnerships/institute-indigenous-studies/>)
- Institute for Health Policy and Politics (IHPP) (<https://health.lehigh.edu/research-partnerships/institute-health-policy-politics/>)

UNDERGRADUATE PROGRAMS

Contact information & Advising SUPPORT:

cohadvicing@lehigh.edu

Upon completing any bachelor's degree in the College of Health, students will...

1. Demonstrate mastery of the determinants of health from a holistic and interdisciplinary perspective.
2. Demonstrate proficiency in health literacy.
3. Analyze the ethical complexities of health research and health decision-making.
4. Demonstrate proficiency in writing and critical reading skills.
5. Demonstrate proficiency in the methods appropriate for their field of study.
6. Apply course concepts to the real-world context to improve the health of communities and populations.
7. Critically evaluate theoretical frameworks for understanding health issues through an interdisciplinary and equity-focused lens.
8. Demonstrate an understanding of the importance of sustainability as it relates to health.

college distribution requirements

To meet the above learning objectives, all students in the College of Health must fulfill the following college distribution requirements, totaling 32-37 credits. Many of these classes will be available through the individual majors in the college.

Double-counting: Students may double count a writing-intensive distribution requirement with **one** additional distribution requirement; however, they **cannot** double count across other distribution categories (i.e., determinants, bioethics, etc.). Allowances to double-count distribution courses with major electives are determined by the selected major.

For additional information about any of our undergraduate programs, visit our website (<https://health.lehigh.edu/>) or email us at cohadvicing@lehigh.edu.

First Year Seminar	(1 class, 3 credits)	HLTH 090 First Year Seminar
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Health Science Writing (4 classes, 12-14 credits)		WRT 001 or WRT 003 Academic and Analytical Writing, WRT 002 or WRT 005 Research and Argument, (2) upper-level classes designated as health science writing listed below
Determinants of Health	(2 classes, 8 credits)	CGH 103 Biological & Environmental Determinants of Health, CGH 104 Sociocultural & Political Determinants of Health, CGH 105 Commercial Determinants of Health
Bioethics	(1 class, 3 credits)	Chosen from the list of approved classes below
Diversity, Equity, and Inclusion	(1 class, 3 credits)	Chosen from the list of approved classes listed below
Sustainability	(1 class, 3 credits)	Chosen from the list of approved classes listed below

Bioethics

POPH 003	Justice, Equity, and Ethics in Population Health	3
POPH 319	Population Health Bioethics	3

Diversity, Equity & Inclusion Courses

CGH 002	Introduction to LGBTQ+ Health	3
CGH 021	Culture and Health	3
CGH 022	Global Perspectives on Health	3
CGH 122	Indigenous Healing Traditions	3
CGH 311	Religion, Spirituality, and Health	3
CGH 312	Curses, Possessions, and Supernatural Illnesses	3
CGH 318	Sexuality Education	3
CGH 322	Contemporary Indigenous Health	3
CGH 334	Cross-National Comparisons of Health Systems & Policy	3

Health Science Writing Courses

CGH 313	Health Policy and Politics	3
CGH 314	Advanced Commercial Determinants of Health	3
CGH 315	Medical Mysteries	3
CGH 316	Global Environmental Disasters & Policy	3
CGH 317	Sex, Drugs, and Trauma	3
CGH 319	Public Health Law	3
CGH 322	Contemporary Indigenous Health	3
CGH 332	Aging, Health, and Social Policy	3
EPI 310	Environmental Epidemiology & Exposure Science	3
POPH 316	Global Sexual and Reproductive Health, Rights, and Justice	3

Sustainability Courses

CGH 102	Community Health and Engineering	3
CGH 108	Food Justice	3
CGH 316	Global Environmental Disasters & Policy	3

POPH 106	Global Environment and Human Welfare	3
POPH 317	Urban Greenspace and Health	3

A PATH TO MEDICAL, DENTAL, OR VETERINARY SCHOOL

Many students who pursue our majors continue on to graduate-level work in a health-related discipline. "Pre-health" students are those students interested in pursuing graduate-level study in a health field such as allopathic (M.D.) or osteopathic (D.O.) medicine, physician's assistant (PA), dentistry, nursing, or veterinary medicine. Pre-health students at Lehigh have the flexibility to major in the field of their preference, since Lehigh does not offer defined "pre-med" or "pre-dental" tracks.

Our programs allow students to follow their strengths and passions while also completing the prerequisite coursework needed for their intended medical, dental, or other professional programs, in addition to the suggested coursework for the MCAT exam. Students interested in attending medical school or other clinical paths should contact The Center for Career & Professional Development (<https://careercenter.lehigh.edu/>) (careercenter@lehigh.edu) (careerservices@lehigh.edu) and ask to be enrolled in the Pre-Health Advising Course Site. A proposed plan of study should be discussed with your adviser.

undergraduate majors

- Biostatistics & Health Data Science (<http://catalog.lehigh.edu/coursesprogramsandcurricula/health/biostats/#undergraduatetext>)
- Community & Global Health (<http://catalog.lehigh.edu/coursesprogramsandcurricula/health/communityandglobalhealth/#undergraduatetext>)
- Population Health (<http://catalog.lehigh.edu/coursesprogramsandcurricula/health/communityandpopulationhealth/#undergraduatetext>)
- Intercollegiate majors
 - Health, Medicine & Society (<https://programs.cas.lehigh.edu/hms/>)
 - Integrated Business & Health (<https://ibh.lehigh.edu/>)

Undergraduate minors

- Biostatistics (<http://catalog.lehigh.edu/coursesprogramsandcurricula/health/biostats/#undergraduatetext>)
- Community Health (<http://catalog.lehigh.edu/coursesprogramsandcurricula/health/communityandglobalhealth/#undergraduatetext>)
- Environmental Health (<http://catalog.lehigh.edu/coursesprogramsandcurricula/health/communityandpopulationhealth/#undergraduatetext>)
- Epidemiology (<http://catalog.lehigh.edu/coursesprogramsandcurricula/health/communityandpopulationhealth/#undergraduatetext>)
- Global Health (<http://catalog.lehigh.edu/coursesprogramsandcurricula/health/communityandglobalhealth/#undergraduatetext>)
- Health Policy & Politics (<http://catalog.lehigh.edu/coursesprogramsandcurricula/health/communityandpopulationhealth/#undergraduatetext>)
- Indigenous Peoples Health (<http://catalog.lehigh.edu/coursesprogramsandcurricula/health/communityandglobalhealth/#undergraduatetext>)
- LGBTQ+ Health (<http://catalog.lehigh.edu/coursesprogramsandcurricula/health/communityandglobalhealth/#undergraduatetext>)
- Maternal & Child Health (<http://catalog.lehigh.edu/coursesprogramsandcurricula/health/communityandpopulationhealth/#undergraduatetext>)
- Population Health (<http://catalog.lehigh.edu/coursesprogramsandcurricula/health/communityandpopulationhealth/#undergraduatetext>)

4+1 ACCELERATED MASTERS PROGRAM

- 4+1 Master of Public Health (MPH) (p. 5)
- 4+1 Master of Science in Population Health (p. 5) (MS) (p. 5)*

*Not currently accepting applications.

INTERCOLLEGIATE UNDERGRADUATE PROGRAMS**B.A. Health Medicine & Society****Co-Directors:**

- Prof. Michael Gusmano, College of Health
- Prof. Lucy Napper, College of Arts & Sciences

Click here (<https://programs.cas.lehigh.edu/hms/>) for additional information.

The Health, Medicine, and Society major is jointly administered by the College of Arts and Sciences and the College of Health. The challenge of meeting the increasingly complex health needs of growing and aging populations is moving to the forefront of national and international concerns in the 21st century. The Interdisciplinary Health, Medicine, and Society Major focuses on the social scientific, humanistic, and applied community-engaged dimensions of health and medical care to develop an understanding of how health, illness, and medical care impact individuals, families, culture, and societies. The joint major is intended to serve students who wish to be involved in some aspect of the healthcare industry, health policy, or public health and also students who are interested in communications, the pharmaceutical industry, law, business, agency work, and other careers where understanding health care is essential.

MAJOR REQUIREMENTS

In addition to the 30-36 required credits, all HMS majors are required to have a second major.^{1,2}

A minimum of 3 courses must be taken at the 300 level.

No more than two courses for a maximum of 8 credits may be taken outside of Lehigh, including non-Lehigh study abroad.

CORE REQUIREMENTS 14-16**Health Humanities Core Course**

HMS 170	Medical & Health Humanities
or HMS/PHIL/REL/ETH 116	Bioethics

Behavior, Culture, & Society Core Course

HMS/PSYC 130	Introduction to Health Psychology
or HMS/SOC 160	Medicine and Society

Public Health Core Course

POPH 001	Introduction to Population and Public Health
or CGH 001	Community Health
or CGH 004	Introduction to Global Health

Health Research Methods Core Course³

POPH 002	Population Health Research Methods & Application
or BSTA 101/102	Population Health Data Science I
or BSTA 005	Statistical Literacy in Health
or CGH 106	Qualitative Methods in Health Research

CONCENTRATIONS³ 9-12

Students must take a minimum of 3 courses outside of the core requirements in one of the following concentrations:

Health Humanities

or

Behavior, Culture, & Society

or

Public Health & Policy

Please see below for lists of concentration courses.

ELECTIVE REQUIREMENTS³ 6-8

Take any 2 additional HMS courses (at least one of which must be outside of the selected concentration)

1

Students are required to meet the distribution requirements of the college they were admitted to, either the College of Health or the College of Arts & Sciences.

If a student pursues the required second major as a B.A. through another college, they are required to fulfill the distribution requirements listed for a CAS/CoH B.A.+B.A. Students who pursue a combination of a B.A.+ B.S. are required to petition for a dual degree.

2

No more than two courses outside of the core courses can come from cross-listed courses within the second major, and no more than 3 courses can double-count towards both majors regardless of home college.

3

A maximum of 4 credits of HMS 221 Peer Education Foundations, HMS 271 Independent Study, HMS 292 Supervised Research, HMS 293 Internship, or HMS 294 Health Equity Internship may fulfill the major elective or major concentration requirements.

CONCENTRATION AND ELECTIVE COURSES

A complete list of course offerings can be found each semester on the College of Health (<https://health.lehigh.edu/academics/course-offerings/>) and HMS (<https://hms.cas.lehigh.edu/content/course-offerings/>) websites. Other elective courses may be approved at the discretion of the program director.

HEALTH HUMANITIES CONCENTRATION**Take Three**

HMS/REL/ETH 002	Death and Dying: Religious and Ethical Perspectives
HMS/ETH/PHIL/REL 106	Bioethics and the Law
HMS/ENGL 115	Topics in Literature, Medicine, and Health
HMS/HIST 118	History of Modern Medicine
HMS 142	The Greek and Latin Roots of Medical Terminology
HMS/FILM 166	Topics in Film and Health
HMS/AAS/HIST/GS 176	Keeping Africa and Africans Healthy: A History of Illness and Wellness
HMS/REL/ETH 226	From Black Death to Covid-19: Plague, Pandemic, Ethics and Religion
HMS/MLL 257	Traditional Chinese Medicine: Historical Perspectives
HMS/SPAN/LAS 270	Spanish for the Health Professions
HMS/ENGL 315	Topics in Literature, Medicine, and Health
POPH 003	Justice, Equity, and Ethics in Population Health
POPH 319	Population Health Bioethics

Total Credits 10-12

BEHAVIOR, CULTURE, & SOCIETY CONCENTRATION**Take Three**

HMS/POLS/EVST 110	Environmental Planning for Healthy Cities
HMS/HIST/WGSS 125	Does Sex have a History? The History of Sexuality in the United States
HMS/PSYC 138	Psychopathology
HMS/COMM 150	Health Communication
HMS/ANTH/GS 155	Medical Anthropology
HMS/SOC 162	HIV/AIDS and Society
HMS/PSYC 302	Stress and Coping

HMS/AAS/GS/SOC 314	Infections and Inequalities: HIV, TB and Malaria in the Global South	
HMS/PSYC 319	The Psychology of Trauma	
HMS/EVST/POLS 320		
HMS/SOC/GS 322	Global Health Issues	
HMS/JOUR/EVST 323	Health and Environmental Controversies	
HMS 327/327/PSYC 327	Advanced Topics in Health Psychology	
HMS/PSYC/WGSS 334	The Psychology of Body Image and Eating Disorders	
HMS/PSYC 344	Health Care Reasoning and Decision Making	
HMS/PSYC 348	Drugs and Behavior	
HMS/PSYC 386	Pediatric Psychology	
ECO 368	Health Economics	
Total Credits		11-12

PUBLIC HEALTH & POLICY CONCENTRATION**Take Three**

HMS 221	Peer Education Foundations	
HMS/POLS 307	The Politics of Mental Health Policy	
HMS/POLS 354	U.S. Health Care Politics	
CGH 004	Introduction to Global Health	
CGH 105	Commercial Determinants of Health	
CGH 107	What is the US Healthcare Ecosystem?	
CGH 305	Advanced Qualitative Methods in Community and Global Health	
CGH 306	Mixed Methods in Health Research	
CGH 307	Health Survey Research Methods	
CGH 308	Community Health Intervention Design	
CGH 313	Health Policy and Politics	
CGH 316	Global Environmental Disasters & Policy	
CGH 331	Healthcare Finance	
CGH 332	Aging, Health, and Social Policy	
CGH/HMS/EDUC 375	Community Based Participatory Research Methodology	
EPI 104	Fundamentals of Epidemiology	
EPI 305	Intermediate Epidemiology	
EPI 306	Lifecourse Epidemiology	
POPH 105	Introduction to Maternal and Child Health	
Total Credits		9-12

OTHER COURSES AND ELECTIVES

BIOS 010	Bioscience in the 21st Century	3
EES 029	Human Health and the Environment	3
HMS 090	Big Questions Seminar	1-4
CGH 103	Biological & Environmental Determinants of Health	4
POPH 106	Global Environment and Human Welfare	3
CGH 120	Independent Study or Research in Community and Global Health	1-4
POPH 120	Independent Study or Research in Population Health	1-4
CGH 130	Internship in Community and Global Health	1-4
POPH 130	Internship in Population Health	1-4
CGH 150	Special Topics in Community and Global Health	3-4

POPH 150	Special Topics in Population Health	3-4
HMS 291	Special Topics	1-4
HMS 292	Supervised Research	1-8
HMS 293	Internship	1-8
BSTA 308	Advanced R Programming	3
EPI 310	Environmental Epidemiology & Exposure Science	3
CGH 315	Medical Mysteries	3
CGH 330	Internship in Community and Global Health	1-4
POPH 330	Internship in Population Health	1-4
CGH 350	Special Topics in Community and Global Health	3-4
POPH 350	Special Topics in Population Health	3-4

b.s. Integrated business & health**Co-directors:**

- Prof. Han Ye, College of Business
- Prof. Eduardo Gomez, College of Health

Click here (<http://catalog.lehigh.edu/coursesprogramsandcurricula/interdisciplinaryundergraduatestudy/integbusihealth/#text>) for additional information.

The BS in Business and Health trains students to apply knowledge about the social determinants of health, and the ability to work with communities, to develop and implement solutions in the health industry. This interdisciplinary program provides students with knowledge and skills from the core curriculum in business and health economics offered by the College of Business and training in health policy and community health from the College of Health.

The program follows a cohort-based structure, which ensures that students progress through the curriculum together as a group. Consequently, transferring into the program from other programs at Lehigh or external institutions is not allowed. Students must indicate their intention to enroll in the IC program when they apply for admission to Lehigh.

Distribution Requirements ¹

WRT 001	Academic and Analytical Writing	3
POPH 319	Population Health Bioethics	3
Diversity, Equity & Inclusion ²		3
Sustainability ²		3

Business Core

ECO 001	Principles of Economics	4
BUS 003	Business Communication I	1.5
MATH 081	Calculus with Business Applications I	4
or MATH 021	Calculus I	
BUAN 044	Business Analytics I	1.5
MGT 043	Organizational Behavior	3
ACCT 151	Introduction to Financial Accounting	3
ACCT 152	Introduction to Managerial Accounting	3
BSTA 101 & BSTA 102	Population Health Data Science I and Population Health Data Science I Algorithms Lab	4
or ECO 045	Statistical Methods	
BIS 111	Introduction to Information Systems	3
ECO 146	Intermediate Microeconomic Analysis	3
FIN 125	Introduction to Finance	3
MKT 111	Principles of Marketing	3
SCM 186	Supply Chain Operations Management	3
BUS 203	Business Communication II	1.5
LAW 201	Legal Environment of Business	3
BUAN 244	Business Analytics II	1.5
MGT 243	Leadership in Organizations	3

MGT 301	Strategic Management in a Global Environment Capstone	3
Foundational Courses		
POPH 001	Introduction to Population and Public Health	4
POPH 002	Population Health Research Methods & Application	4
BUHE 001	Integrated Seminar	3
Methods Courses		
BSTA 103 & BSTA 104	Population Health Data Science II and Population Health Data Science II Algorithms Lab	4
or ECO 157	Statistical Methods II	
EPI 104	Fundamentals of Epidemiology	3
ECO 357	Econometrics	3
or EPI 305	Intermediate Epidemiology	
Health Policy & Politics Core		
CGH 004	Introduction to Global Health	3
CGH 104	Sociocultural & Political Determinants of Health	4
CGH 105	Commercial Determinants of Health	4
CGH 313	Health Policy and Politics	3
One Health Policy Elective at the 300-level ³		3
Health Care Business & Economics Core		
MGT 233	Managing the Health Care Workforce	3
SCM 240	Health Care Operations Management	3
ECO 368	Health Economics	3
ECO 369	Analysis of Health Care Markets	3
Integrated Capstone		
BUHE 301	Integrated Capstone	3
Free Electives⁴		8
Total Credits⁵		122-24

1

Distribution courses should be chosen in consultation with the advisor. Courses taken within the major department to satisfy a major may not satisfy distribution requirements in more than one area. The student (with the advisor's assistance) is responsible for seeing that courses used in the major are not used to complete the distribution requirements in more than one area. If a distribution requirement is applied to the major requirement, students may take any additional course(s) as long as 122 - 124 total credits are completed.

2

Courses that meet the Diversity, Equity and Inclusion and Sustainability requirements are labeled with the attributes DEIN and SUST. Additional information on courses that meet these requirements is also available by contacting the College of Health advising office at cohadvising@lehigh.edu (cohadvising@lehigh.edu).

3

Chosen in consultation with an advisor.

4

Electives must be taken outside of the College of Business and the College of Health.

5

Total credits may vary depending on the student's course selection for the following requirements: BSTA 101 Population Health Data Science I & BSTA 102 Population Health Data Science I Algorithms Lab (4 credits total) or ECO 045 Statistical Methods (3 credits), and BSTA 103 Population Health Data Science II & BSTA 104 Population Health Data Science II Algorithms Lab (4 credits total) or ECO 157 Statistical Methods II (3 credits).

GRADUATE PROGRAMS

Contact Information & advising SUPPORT:

cohgrad@lehigh.edu

College of Health graduate programs equip students to understand and appropriately improve the health and well-being of populations and communities locally, nationally, and globally. Students investigate and address the multiple determinants of health through technology- and data-driven research and community partnership in all College of Health graduate programs. We empower our graduate students to shape the future by improving the health of populations.

- PhD in Population Health
- Master of Public Health (MPH)
- Graduate Certificate in Global Population Health
- Graduate Certificate in Population Health
- 4+1 Accelerated Master of Public Health (MPH)
- +1 Master of Science in Health Systems Engineering (with the P.C. Rossin College of Engineering & Applied Science) (<https://engineering.lehigh.edu/ise/academics/masters-programs/>)
- Flex MBA with Public Health concentration (with the College of Business) (<http://catalog.lehigh.edu/coursesprogramsandcurricula/businessandeconomics/businessseconomicsgraduatecourses/>)

DOCTORAL PROGRAM

PHD in POPULATION HEALTH

Lehigh University's Doctor of Philosophy (Ph.D.) in Population Health degree prepares doctoral students to investigate, integrate, and address health determinants using multiple methodologies, including data science and community based participatory research, and develop novel and effective avenues for disease diagnosis and prevention, health promotion, and intervention. The program combines foundational courses in population health with additional data science, qualitative research methods, population health survey methods, research ethics, and policymaking. By providing a strong disciplinary and methodological foundation in Population Health through coursework, experiential learning opportunities, research projects, and engagement with traditional and non-traditional partners to pursue a healthier world, the Ph.D. program prepares students to pursue an independent line of inquiry and develop their own body of research.

The Ph.D. in Population Health program objectives reflect our commitment to graduating students who are ready and able to produce high-quality original scholarship. Upon graduation, a student completing the Ph.D. in Population Health will be able to:

- Demonstrate advanced knowledge of frameworks and concepts used in community and population health
- Develop and apply theoretical frameworks to formulate research questions relevant to interdisciplinary population health
- Select and conduct appropriate study designs to address interdisciplinary population health research questions
- Understand strategies for interdisciplinary teamwork, build trust, and strengthen communication with scholars across disciplines
- Demonstrate knowledge about the responsible conduct of research and conduct research following the rules and policies for ethical research.
- Employ written, oral, and visual communication skills to disseminate and translate scholarship to specialist and non-specialist audiences.
- Demonstrate the effective use of teaching methods to engage students in a variety of educational settings (large group, small group, in-person, or online).

The Ph.D. in Population Health degree requires a minimum of 72 credit hours. Candidates for the Ph.D. in Population Health are expected to enroll full-time and are required to be immersed in research, fulfill a teaching experience, participate in College and Department events, pass qualifying written and oral examinations, as well as complete and defend original dissertation research. A specific course of study is followed by Ph.D. in Population Health students during the first year of full-time study with elective courses completed during the first and second years of full-time study. Ph.D. students

generally begin their dissertation research in the third year of full-time study, after passing their qualifying examinations.

Core Requirements	12
HLTH 400 Philosophical and Theoretical Foundations of Population Health	
HLTH 412 Research Ethics in Population Health	
HLTH 416 Grant Writing	
HLTH 417 Teaching Community and Population Health	
Determinants Courses ¹	6
Two courses focused on the determinants of health, chosen in consultation with the adviser.	
Biostatistics Course ¹	3
One biostatistics focused course, chosen in consultation with the adviser.	
Qualitative Course ¹	3
One qualitative methods course, chosen in consultation with the adviser.	
Epidemiology Course ¹	3
One epidemiology focused course, chosen in consultation with the adviser.	
Electives ¹	27
A minimum of 27 credits, chosen in consultation with an adviser. Students are encouraged to take courses that will provide them with additional expertise in substantive and/or methodological areas of interest; 9 credits must focus on a methodological area of interest.	
Population Health Dissertation Proposal ²	6
HLTH 482 Population Health Dissertation Proposal	
Students will work closely with their doctoral advisor and doctoral committee to develop their dissertation proposal. Students will orally defend their dissertation proposal to their doctoral committee and will need to obtain approval before proceeding to the dissertation phase.	
Population Health Dissertation ³	12
HLTH 499 Population Health Dissertation	
Students will work closely with their doctoral advisor and doctoral committee to complete their dissertation project. Students will be required to pass their dissertation defense and incorporate feedback from the committee in order to meet the graduation requirements for the doctoral degree.	
Total Minimum Credits	72

¹

Courses taken outside the College of Health must be approved by an adviser.

²

If students complete 72 credits beyond the undergraduate degree and prior to advancing to candidacy, they need to be enrolled in at least 3 credit hours per semester.

³

After completion of 72 credits beyond the bachelor's degree, students are permitted to register for 'Maintenance of Candidacy' and will be charged a single credit hour of graduate tuition per semester.

MASTER PROGRAMS

MASTER OF PUBLIC HEALTH (mph)

Lehigh University's Master of Public Health (MPH) degree prepares students to engage in public health research, practice, and policymaking at local, state, national, and global levels. Students develop competencies in core public health disciplines, analyze health determinants using data science, and design innovative, evidence-based strategies to improve the health and well-being of diverse populations. The program integrates foundational public health courses with those in data science, qualitative research methods, health communication, and environmental health justice. Students

acquire knowledge and skills through coursework, experiential learning, research projects, and engagement with diverse community partners. The MPH degree requires a minimum of 42 credits.

Core Requirements ¹	
BSTA 402 Biostatistics in Health ²	3
EPI 404 Methods in Epidemiology I	3
POPH 405 Qualitative Research Methods	3
PUBH 401 Health Promotion and Education	3
PUBH 402 Health Services, Administration, Politics, and Policy	3
PUBH 403 Health Program Planning and Implementation	3
PUBH 405 Program Evaluation Methods	3
POPH 409 Social Determinants of Health	3
Generalist Requirements	
POPH 431 Environmental Health Justice	3
EPI 405 Methods in Epidemiology II	3
BSTA 403 Health Applications in Statistical Learning	3
Elective ¹	
Students are encouraged to take an elective that will provide them with additional expertise in a substantive or methodological area of interest. Electives can be taken outside the College of Health, but adviser approval is required.	3
Practicum and Capstone	
PUBH 410 Applied Practice Experience	3
PUBH 411 Public Health Capstone	3
Total Credits	42

¹

For students enrolled in the 4+1 accelerated BS/MPH or BA/MPH program, courses taken during the student's undergraduate degree cannot be applied as an undergraduate degree requirement.

²

If the student has taken BSTA 101 Population Health Data Science I and BSTA 102 Population Health Data Science I Algorithms Lab or is majoring in Biostatistics & Health Data Science, replace BSTA 402 Biostatistics in Health with an adviser-approved elective.

4+1 aCCELERATED Master PROGRAM

Qualified students can earn a master's degree at an accelerated pace.

Students accepted into the 4+1 accelerated master program begin taking the suggested graduate classes during their junior and senior year. After successful completion of twelve (12) credits of graduate coursework (grade 'B' or higher), they can complete the graduate program in one full year after graduating with their undergraduate degree.

Current Lehigh students who have a minimum overall GPA of 3.5 may be automatically accepted into the 4+1 accelerated master program once they have achieved junior standing (a minimum of 54 credits). Students wishing to pursue this program who do not qualify for direct admittance based on their GPA are welcome to apply for acceptance. **Graduate courses taken while in the 4+1 program do not count toward undergraduate degree credits, so it's important to plan ahead.**

Students interested in learning more about the 4+1 program are encouraged to attend an info session (<https://health.lehigh.edu/academics/undergraduate-programs/>) or to contact the College of Health graduate advising team at cohgrad@lehigh.edu (cohadvicing@lehigh.edu).

Benefits of the 4+1 program include:

- Graduate courses taken as an undergraduate are included in undergraduate tuition;
- No application process for students with an overall GPA of 3.5 or better;

- Completion of up to 4 graduate courses while an undergraduate student;
- 30% tuition discount on graduate tuition during the +1 full-time graduate year;
- A savings of more than 40% off the total cost of the graduate degree;
- Fulfillment of master degree requirements in 1/2 the time.

recommended 4+1 MPH schedule *

*Not following the recommended course schedule may result in a delayed graduation.

Junior Year (Fall)

PUBH 401	Health Promotion and Education
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Junior Year (Spring)

PUBH 402	Health Services, Administration, Politics, and Policy
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Senior Year (Fall)

PUBH 403	Health Program Planning and Implementation
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Senior Year (Spring)

EPI 404	Methods in Epidemiology I
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GRADUATE CERTIFICATES

POPULATION HEALTH CERTIFICATE

The graduate certificate in population health will prepare students to learn and apply graduate-level introductory Population Health concepts and methodology. The certificate requires a minimum of 12 credits, including introductory courses in Population Health, Epidemiology, and Population Health Data Science, as well as an elective course selected in consultation with the adviser. The 12 credits earned in this certificate program can be applied to the Master of Public Health (MPH).

POPH 401	Population Health Concepts and Methods	3
EPI 404	Methods in Epidemiology I	3
BSTA 402	Biostatistics in Health	3
or POPH 405	Qualitative Research Methods	
Elective chosen in consultation with the advisor.		3-4
Total Credits		12-13

Global Population Health Certificate

The graduate certificate in Global Health is open to all graduate students at Lehigh, graduate students from other accredited institutions, and non-degree-seeking students who have a bachelor's degree. The certificate can complement studies pursued within Lehigh's other graduate programs or the College of Health's Master of Public Health (MPH), but no more than one course approved by a College of Health adviser may count for both the graduate Global Health Certificate and other declared program of study. There are no additional admissions requirements.

POPH 413	Foundations of Global Health	3
POPH 414	Global Health Research or Field Experience	3
BSTA 402	Biostatistics in Health	3
or POPH 405	Qualitative Research Methods	
Elective chosen in consultation with the adviser.		3
Total Credits		12