

PUBLIC HEALTH (M.P.H.)

Program Information

Director: J. Varves

The Master of Public Health degree is offered as a non-thesis program and is designed to prepare students to become effective public health practitioners, scientists, and educators.

Students select one of six concentration areas:

- Biostatistics
- Environmental health
- Epidemiology
- Population health management
- Public health practice
- Social and behavioral sciences

Both a 48-credit program for students without terminal health science degrees and a 42-credit program for students with a terminal degree are offered. A combination bachelor's/master of public health program is available, as well as a 15-credit college certificate program. Students interested in collaborative programs may pursue joint MPH and DVM, MD, JD, PharmD, DPT, or DMD degrees, or concurrent master's and PhD programs. The MPH degree program and the Public Health certificate are available on campus and online. For program descriptions and information on applying, visit the website: www.mph.ufl.edu (<http://gradcatalog.ufl.edu/graduate/colleges-departments/public-health-professions/interdisciplinary-departments/public-health-mph/www.mph.ufl.edu>).

48-credit Master of Public Health: Students who do not hold a terminal degree in a health science discipline are eligible to apply for the 48-credit program. The program provides comprehensive coverage of core public health content and allows selection of a concentration. Students must complete 18 credits of core public health course work, 12 to 15 credits of concentration core courses, up to 12 credits of elective courses, and three credits of applied practice experience. The course work representing these requirements is described below.

42-credit accelerated Master of Public Health: Students who hold a terminal degree (usually a doctoral degree) in a health science discipline may be eligible for the 42-credit accelerated program. This program requires completion of 16 credits of core public health course work, 21 credits of concentration and elective course work, and a five-credit internship.

Combination degree program: The College offers a combination degree program to allow qualified undergraduates to earn both a bachelor's degree and the Master of Public Health degree efficiently. Seniors with any undergraduate major are eligible for the combination degree program as long as they have an undergraduate GPA of at least 3.2 and competitive scores on the verbal and quantitative portions of the GRE, and their career interests match the MPH program. Students accepted into the combination degree program complete 15 credits of public health course work while still undergraduates, leaving only 33 credits after admission to graduate school. Students must achieve a B or better in public health courses taken as an undergraduate and be accepted to graduate school to complete the program.

Core Courses: All MPH students take five public health core courses. The core courses in environmental health, epidemiology, public health management and policy, and social and behavioral sciences are taken by all students. The core biostatistics course varies across concentration areas. Students in the biostatistics, environmental health, epidemiology

and social and behavioral sciences concentrations must take PHC 6052: Introduction to Biostatistical Methods. All other MPH students must take PHC 6050: Statistical Methods for Health Sciences Research I. In addition, all students must take a three-credit Master of Public Health Capstone course and three credits of PHC 6946: MPH Applied Practice Experience.

Applied Practice Experience (APE): Each student completes an internship during their APE course, which provides an opportunity to apply knowledge acquired in the classroom to a real public health problem in a practice setting. Students may engage in many activities during an internship, but each student must produce at least two portfolio products that demonstrate achievement of at least five Public Health Competencies.

MPH Capstone: This course serves as the required integrative learning experience for students in the MPH program. Students will demonstrate synthesis of foundational and concentration competencies through an individual or group project that addresses the needs of a public health agency. Students will produce a high-quality written report for their agency and present their project on Public Health Day near the end of the semester.

Master of Public Health with a Concentration in Biostatistics

The contribution of biostatisticians is far reaching and includes both core public health research and consultation with other health professionals. The biostatistics concentration is designed primarily for students with a previous graduate degree (particularly in the health sciences) who want to obtain a solid background in quantitative and analytical methods for public health research. The course work exposes students to methodology typically used to analyze different types of public health data and gives them opportunities to apply these methodologies themselves.

Graduates of the MPH program with a concentration in biostatistics return to their careers with an improved understanding of quantitative methods for public health research. This increased knowledge will facilitate their own research programs and will enhance their ability to critically read the literature in their field. The biostatistics concentration requires completion of four concentration core courses: Regression Methods for the Health and Life Sciences, Epidemiology Research Methods I, Public Health Computing, and Survival Analysis. Remaining courses include the public health internship and electives in statistics and public health. Visit the biostatistics concentration website for the most up-to-date information about course options: <http://mph.ufl.edu/programs/master-of-public-health/biostatistics>. (<http://mph.ufl.edu/programs/master-of-public-health/biostatistics.html>)

See the department Biostatistics website for information about other programs offered by the department: <http://biostat.ufl.edu/>.

Master of Public Health with a Concentration in Environmental Health

Professionals trained in environmental health study the impact of our surroundings on our health. They understand how environmental risk factors can cause diseases like asthma, cancer, and food poisoning. Environmental health professionals make up approximately half of public health personnel and the field accounts for about half of public health expenditures. Students interested in environmental health typically have a background in biological or physical sciences, engineering, nursing, medicine, and veterinary medicine. Prior experience in chemistry, biology, statistics, and Microsoft Excel software is desirable.

Please note the prerequisites for Environmental Health courses and speak with the instructor if you have not successfully completed the prerequisites. The following courses are required for all students pursuing the environmental health concentration: Environmental Toxicology Applications in Public Health, Environmental Policy and Risk Management in Public Health, Exposure Measurement and Assessment, Environmental Ecology of Human Pathogens, Global Health and Development I, and MPH Capstone. Students may also choose from elective course work listed on the department website below. Environmental health students complete their programs with an internship and electives on a wide variety of environmental health and public health topics.

Visit the environmental health concentration website for the most up-to-date information about course options:

<http://mph.ufl.edu/programs/master-of-public-health/environmental-health> (<http://mph.ufl.edu/programs/master-of-public-health/environmental-health/>). And visit the Website of the Department of Environmental and Global Health for information about other academic programs and activities in the department: <http://egh.php.ufl.edu>.

Master of Public Health with a Concentration in Epidemiology

Epidemiology focuses on the study of the distribution and determinants of health in populations and communities. It is the scientific foundation of public health research that seeks to reduce risk factors and improve health. The discipline also contributes to public health practice and policy, and research in other health-related fields such as medicine and pharmacy. This concentration area is designed to train professionals to apply the principles and methods of epidemiological investigation in a broad range of settings. The required concentration core courses in epidemiology are Epidemiology Research Methods I, Epidemiology Research Methods II, Epidemiology of Infectious Diseases, Epidemiology of Chronic Disease, and MPH Capstone. Epidemiology concentration students complete their programs with an internship and electives in epidemiology and public health.

Additional detail and options for epidemiology elective course work are at the website: <http://mph.ufl.edu/programs/master-of-public-health/epidemiology> (<http://mph.ufl.edu/programs/master-of-public-health/epidemiology/>). Please also visit the website of the Department of Epidemiology for up-to-date information about other epidemiology programs and activities: <http://epidemiology.php.ufl.edu>.

Master of Public Health with a Concentration in Population Health Management (PHM)

This concentration focuses on the structure and administration of health organizations and the policies that impact health programs and reimbursement of health services. The concentration encompasses two of the major roles of leaders in public health. Essential skills for managing a health agency or organization include accounting, financial management, human resource management, strategic and program planning, operations research, economics, and monitoring outcome measures. Development, analysis, interpretation, and evaluation of government policies require analytical skills and social skills, as well as a deep understanding of politics.

The required concentration core courses in PHM are Evidence-Based Management of Public Health Programs, Health Economics, Public Health Quality & Outcomes, Survey Research Methods, Systems Thinking and Public Health, and MPH Capstone. PHM students complete their programs with an internship and electives in population health

management. Visit the population health management concentration website for the most up-to-date information about course options: <http://mph.ufl.edu/prospective-students/mph/traditional-mph-degree/concentrations/public-health-management-and-policy/>. (<http://mph.ufl.edu/prospective-students/mph/traditional-mph-degree/concentrations/public-health-management-and-policy/>)

The website of Department of Health Services Research, Management, and Policy provides additional information about activities and other academic programs in the department: <http://hsrmp.php.ufl.edu>.

Master of Public Health with a Concentration in Public Health Practice

This concentration provides the opportunity to develop breadth in public health by taking coursework in two, three, or four of the core public health concentrations. Such breadth is often required of professionals who assume positions of leadership in public health. It is available to students in joint and concurrent degree programs, medical and other health scientists, and working professionals. The Public Health Practice concentration is available on-campus and online.

The campus curriculum for this concentration follows the same model as the other concentrations. Students pursuing public health practice begin their programs with the five core courses required of all MPH students. Instead of a specified set of concentration core courses, however, these students may choose two or more courses from advanced course options in two to four of the other concentrations. Students complete their degree with a capstone course and an internship. All students in this concentration must hold a prior health professional degree or be enrolled in a joint or concurrent graduate program. To be eligible for the accelerated option, applicants must hold a terminal degree in a health or health-related field.

The online Public Health Practice curriculum begins with the five core courses and then offers two or more courses in epidemiology, environmental health, public health management and policy and social and behavioral sciences. Students complete their degree with a capstone course and an internship. Online students are not available to pursue the MPH on campus in Gainesville, either due to employment or geographic distance.

Master of Public Health with a Concentration in Social and Behavioral Sciences

The social and behavioral sciences concentration is based on the understanding that health and health behavior are influenced by multiple psychological, behavioral, social, and cultural factors. Central to addressing health problems and eliminating health disparities and inequalities, these factors must be understood and addressed using a framework exploring multiple levels (individual, interpersonal, organizational, community, and population) and the interactions among them. Through classroom instruction, research, and field practice, MPH students who concentrate in social and behavioral sciences explore the unique issues faced by diverse groups and populations and acquire skills to achieve social and behavioral change. Students in the social and behavioral sciences concentration are required to take six courses: Assessment and Surveillance in Public Health, Public Health Program Planning and Evaluation, Social and Behavioral Research Methods, Public Health Information for Diverse Populations: Theory & Methods, Theoretical Foundations of Public Health, and MPH Capstone. Social and behavioral science students complete their programs with an internship and elective courses in public health or related fields.

Visit the social and behavioral science concentration website for the most up-to-date information about course options.

Campus program: <http://mph.ufl.edu/prospective-students/mph/traditional-mph-degree/concentrations/social-and-behavioral-science/>.
(<http://mph.ufl.edu/prospective-students/mph/traditional-mph-degree/concentrations/social-and-behavioral-science/>)

Online program: <http://mph.ufl.edu/prospective-students/mph/online-mph-degree/concentrations/social-and-behavioral-sciences/>.
(<http://mph.ufl.edu/prospective-students/mph/online-mph-degree/concentrations/social-and-behavioral-sciences/>)

Degrees Offered

Degrees Offered with a Major in Public Health

- Master of Public Health
 - without a concentration
 - with a concentration in Biostatistics
 - with a concentration in Environmental Health
 - with a concentration in Epidemiology
 - with a concentration in Public Health Management
 - with a concentration in Public Health Practice
 - with a concentration in Social and Behavioral Sciences

Requirements for these degrees are given in the Graduate Degrees (<http://gradcatalog.ufl.edu/graduate/degrees/>) section of this catalog.

Courses

Public Health Courses

Code	Title	Credits
HMG 6747	Marketing in Hospitality/Tourism	2
HSA 6105	Professional Skills Seminar	1
HSA 6114	Health Care System and Policy	3
HSA 6115	Introduction to Management of Health Services Organizations	3
HSA 6188	Strategic Management in Health Administration	3
HSA 6198	Information Management in Health Administration	3
HSA 6385	Performance Management for Health Care Managers	3
HSA 6395	Healthcare Data Analytics I	3
HSA 6427	Legal and Ethical Issues in Health Administration	3
HSA 6436	Health Economics	3
HSA 6930	Special Topics in Health Services Administration	1-3
HSA 7106	Seminar in Health Care Access and Utilization	3
HSA 7437	Advanced Health Economics	3
HSA 7759	Quality and Outcomes in Health Services Research	3
PHC 6000	Epidemiology Methods I	3
PHC 6001	Principles of Epidemiology in Public Health	3
PHC 6002	Epidemiology of Infectious Diseases	3
PHC 6003	Epidemiology of Chronic Diseases and Disability	3
PHC 6009	Biology and Epidemiology of HIV/AIDS	3
PHC 6011	Epidemiology Methods II	3
PHC 6016	Social Epidemiology in Public Health	3
PHC 6022	Design and Conduct of Clinical Trials	3
PHC 6050	Statistical Methods for Health Sciences Research I	3
PHC 6052	Introduction to Biostatistical Methods	3
PHC 6053	Regression Methods for the Health and Life Sciences	3
PHC 6059	Introduction to Applied Survival Analysis	3
PHC 6089	Public Health Computing	3
PHC 6103	Systems Thinking for Public Health	3
PHC 6104	Evidence-Based Management of Public Health Programs	3
PHC 6146	Public Health Program Planning and Evaluation	3
PHC 6183	Disaster Preparedness and Emergency Response	3
PHC 6195	Health information for Diverse Populations: Theory & Methods	3
PHC 6251	Assessment and Surveillance in Public Health	3
PHC 6301	Aquatic Systems and Environmental Health	3
PHC 6313	Environmental Health Concepts in Public Health	2-3
PHC 6403	Adolescence, Risk Taking and Health	3
PHC 6404	Gender, Sexuality, and Health	3
PHC 6405	Theoretical Foundations of Public Health	3
PHC 6410	Psychological, Behavioral, and Social Issues in Public Health	3
PHC 6421	Public Health Law and Ethics	3
PHC 6424	Environmental Policy and Risk Management in Public Health	3
PHC 6441	Health Disparities in the United States	3
PHC 6446	Systems Thinking in One Health	3
PHC 6447	Ecology of HIV/Aids in the Rural South	3
PHC 6512	Environmental Management of Vector-Borne Diseases	3
PHC 6515	One Health: Applied Techniques in Public Health Entomology	3
PHC 6517	Public Health Concepts in Infectious Diseases	3
PHC 6519	Zoonotic Diseases in Humans and Animals	3
PHC 6520	Foodborne Diseases	3
PHC 6521	Fundamentals of Public Health Nutrition	3
PHC 6530	Public Health Issues of Mothers and Children	3
PHC 6534	Trauma Informed Approaches for Individuals, Communities, and Public Health	3
PHC 6601	Professional Series in Public Health	1
PHC 6700	Social and Behavioral Research Methods	3
PHC 6702	Environmental Monitoring and Exposure Assessment	3
PHC 6706	Scientific Communication in Public Health	3
PHC 6711	Measurement in Epidemiology and Outcomes Research	3
PHC 6716	Survey Research Methods	3
PHC 6764	Global Public Health and Development I	3
PHC 6905	Independent Study	1-6
PHC 6917	Supervised Research Project	1-6
PHC 6931	Seminar in Global Public Health	1
PHC 6937	Special Topics in Public Health	1-6
PHC 6940	Master of Public Health Capstone	2

PHC 6947	Environmental and Global Health Capstone Experience	3-5
PHC 6946	Public Health Internship	1-9
PHC 7000	Epidemiology Seminar II: Critical Evaluation, Research Proposals, and Methods	2
PHC 7007	Cancer Epidemiology	3
PHC 7038	Psychiatric Epidemiology	3
PHC 7056	Analysis of Longitudinal Data	3
PHC 7066	Large Sample Theory	3
PHC 7307	Quantitative Assessment of Environmental Health Impacts	3
PHC 7980	Research for Doctoral Dissertation	1-15
PHC 7901	Epidemiology Literature Review and Critique (Journal Club)	1
STA 5325	Fundamentals of Probability	3
STA 5328	Fundamentals of Statistical Theory	3
STA 5503	Categorical Data Methods	3
STA 5507	Applied Nonparametric Methods	3
STA 5701	Applied Multivariate Methods	3
STA 6177	Applied Survival Analysis	3
STA 6208	Basic Design and Analysis of Experiments	3
SWS 5551	Soils, Water, and Public Health	3
VME 6607	Human Health Risk Assessment	4

Environmental Health Courses

Code	Title	Credits
ENV 5105	Foundations of Air Pollution	3
FOS 5205	Current Issues in Food Safety and Sanitation	3
PHC 6702	Environmental Monitoring and Exposure Assessment	3
SWS 5551	Soils, Water, and Public Health	3
VME 6602	General Toxicology	3
VME 6603	Advanced Toxicology	3
VME 6605	Toxic Substances	3
VME 6607	Human Health Risk Assessment	4

Epidemiology Courses

Code	Title	Credits
PHC 6000	Epidemiology Methods I	3
PHC 6002	Epidemiology of Infectious Diseases	3
PHC 6003	Epidemiology of Chronic Diseases and Disability	3
PHC 6011	Epidemiology Methods II	3
PHC 6053	Regression Methods for the Health and Life Sciences	3
PHC 6405	Theoretical Foundations of Public Health	3
PHC 6912	Special Project: Independent Research	1-9
PHC 6946	Public Health Internship	1-9

Public Health Management and Policy Courses

Code	Title	Credits
HSA 5174	Fundamentals of Health Care Finance	3
HSA 6115	Introduction to Management of Health Services Organizations	3
HSA 6152	Overview of U.S. Health Policy	3
PHC 6103	Systems Thinking for Public Health	3

PHC 6104	Evidence-Based Management of Public Health Programs	3
PHC 6421	Public Health Law and Ethics	3

Social and Behavioral Sciences Courses

Code	Title	Credits
PHC 6146	Public Health Program Planning and Evaluation	3
PHC 6251	Assessment and Surveillance in Public Health	3
PHC 6441	Health Disparities in the United States	3
PHC 6700	Social and Behavioral Research Methods	3
PHC 6937	Special Topics in Public Health	1-6

College of Public Health and Health Professions Courses

Code	Title	Credits
GEY 5935	Topics in Gerontology	3
GEY 6220	Overview of Geriatric Care Management	3
GEY 6306	Interpersonal Communication Within the Aging Network	3
GEY 6646	Issues and Concepts in Gerontology	3
GEY 6936	Professional Development in Gerontology/ Geriatrics	1-2
HSC 6905	Independent Study	1-3
HSC 6910	Supervised Research	1-5
HSC 6940	Supervised Teaching	1-5
PHC 6053	Regression Methods for the Health and Life Sciences	3
PHC 6193	Qualitative Data Analysis	3
PHC 6195	Health information for Diverse Populations: Theory & Methods	3
PHC 6447	Ecology of HIV/Aids in the Rural South	3
PHC 6726	Integrated Mixed Methods Research in Epidemiology	3
PHC 6917	Supervised Research Project	1-6
PHC 6945	Public Health Practicum	1-6
PHC 6946	Public Health Internship	1-9
PHC 7587	Theory Development and Testing in Behavioral & Community Public Health	2
PHC 7744	Causal Artificial Intelligence for Health Research	3
PHC 7907	Social and Behavioral Science Journal Club	1
RCS 6036	Or to Forensic Vt P	3
RCS 6601	Forensic Rehabilitation Consultation I	3
RSD 6110	Rehabilitation Science Theory and Application I	3
RSD 6905	Individual Work	1-4
RSD 6910	Supervised Research	1-5
RSD 6930	Special Topics in Rehabilitation Science	1-4
RSD 6940	Supervised Teaching	1-3
RSD 7979	Advanced Research	1-12
RSD 7980	Research for Doctoral Dissertation	1-15

Student Learning Outcomes

Public Health (MPH)

SLO 1: MPH Core Knowledge & Skills

Demonstrate competence in the practice of public health.

SLO 2: Public Health Concentration Knowledge

Communicate a thorough understanding of one public health core discipline

SLO 3: Professional Behavior

Display professional conduct

SLO 4: Public Health Integration

Demonstrate synthesis of core and concentration competencies.