



MPH-Health Informatics

The M.P.H. degree in Health Informatics is primarily designed for those who are currently working in the clinical or public health professions, and those who are interested in exploring the science of health computing. The program is for professionals who wish to prepare for roles in health computing industries, including but not limited to the following areas: clinical data management; health systems evaluation, development and analysis; geographic information systems (GIS) applications in health; and telemedicine of telehealth in medical or public health settings. The Master of Public Health is oriented toward applied data processing and applications, health information system design and development, and other applied informatics in health settings. This concentration is offered jointly by the Department of Health Management & Policy and the Department of Biostatistics.

Curriculum

Core Curriculum Requirements: 15 SCH

BIOS	5210	Biostatistics for Public Health I	3 SCH
ENVR	5300	Environmental Health	3 SCH
EPID	5100	Principles of Epidemiology	3 SCH
HMAP	5210	Introduction to Health Management and Policy	3 SCH
SCBS	5110	Behavioral and Social Aspects of Public Health	3 SCH

Culminating Experience: 6 SCH

HMAP or SCBS	5800	Capstone	3 SCH
SPH	5900	Professional Report	3 SCH
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SPH	5950	Thesis	6 SCH

Health Informatics Concentration Curriculum

Practicum Requirement: 3 SCH

SPH	5855	Public Health Practice Experience	3 SCH
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Required Courses: 15 SCH

BIOS	5740	Introduction to Statistical Packages	3 SCH
HMAP	5255	Health Finance I	3 SCH
HMAP	5260	Health Information Systems	3 SCH
HMAP	5270	Health Services Management	3 SCH
HMAP	5450	Program Planning & Evaluation	3 SCH

Elective Courses: 6 SCH

All students will consult with their advisor and select six semester credit hours of coursework from the public health curriculum.

Health Informatics Concentration Learning Objectives

By the conclusion of the M.P.H. program, a student in the health informatics concentration will be able to:

1. Conduct evaluation and implementation techniques in public health, such as community needs assessment and clinical computing in collaboration with other health professionals.
2. Identify and interpret data related to social and behavioral foundations and other dimensions of health.
3. Conduct informatics research as applied to health care and public health issues.
4. Perform assessment, implementation and assurance of health information systems and programs using information science procedures.
5. Assist in the planning, development and evaluation of data input, processing, analysis and presentation in a broad array of health care facilities.
6. Analyze and solve health issues by applying statistical methodology.
7. Communicate findings of the analysis and provide policy recommendation for health care of public health in professional journals.
8. Plan and conduct independent research focusing on the analysis and solution of a problem in health practice via the completion of a thesis/professional report.