

HEALTH INFORMATICS

M.S., Health Informatics: (36 Credits)

The Master of Science degree in Health Informatics program is designed to offer students a broad, interdisciplinary, and critical understanding of informatics and analytics within the healthcare context. Health informatics is an interdisciplinary field that analyzes biomedical data for improved decision making in healthcare. Health informatics brings together the fields of computer science and data analytics to study the processes for the generation, storage, retrieval, use, and management of health data. The program highlights the social and ethical as well as the technological dimensions of this rapidly evolving professional field. The program will be of interest to students intending to pursue careers at the intersection of healthcare and technology, it will also appeal to any graduate student interested in examining larger questions about healthcare analytics from an interdisciplinary perspective, including the role of data to understand social and cultural dimensions of health care.

The Health Informatics Major is a new major expected to begin in Spring 2023. Courses and topics are in development and subject to change.

Degree Requirements:

Code	Title	Credits
Semester 1		
	Introduction to Health Informatics	3
	Fundamental Concepts in Statistics and Statistical Reasoning	3
	Programming for Health Informatics	3
Semester 2		
	Data Management	3
	Data Governance	3
	Machine Learning in Health Informatics	
Semester 3		
MPH 608	Health Communication and Informatics	3
MPH 601	Organization and Management of Public Health Services	3
	Systems Analysis and Design	3
Semester 4		
ILD 829	Leadership in the Health Professions	3
	Elective - choose one *	3
MPH 615	Ethical Issues in Population Health: A Global Perspective	
MPH 633	Health Economics and Finance	
MPH 634	Health Planning and Marketing	
ILD 812	Research Design and Professional Inquiry	
ILD 821	Change Management and Quality	
MHE 603	Law and Health Care Ethics	
	Artificial Intelligence in Health Informatics	
	Capstone	3

* Approved electives will include content related to Social and Behavioral aspects of Health, Health Economics and Marketing, Research Design, Ethics, and Change Management.