



Case Western Reserve University School of Medicine

PhD in Biomedical and Health Informatics

Our Biomedical and Health Informatics program equips students with a robust foundation in data analysis, informatics, and population health. The core curriculum encompasses essential courses such as data structures, statistical methods, epidemiology, and more. Graduates emerge primed to excel in academia, research institutions, healthcare organizations, and industry, equipped to pioneer innovative solutions that bridge cutting-edge technology with healthcare delivery and advance the landscape of biomedicine and health informatics.

Course Examples

HSMC 432

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PQHS 416

Computing in Biomedical Health Informatics

PQHS 431

Statistical Methods I

PQHS 432

Statistical Methods II

PQHS 490

Epidemiology: Introduction to Theory and Methods

EBME 410

Medical Imaging Fundamentals

MPHP 406

History and Philosophy of Public Health

PQHS 440

Introduction to Population Health

CSDS 433

Database Systems

PQHS 416

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PQHS 444

" Ûk ú ç in Population Health Sciences

PQHS 445

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PQHS 413

Introduction to Data Structures and Algorithms in Python

PQHS 471

Machine Learning & Data Mining

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medical
school
in Ohio

#25

medical
school for
research

#16

worldwide for
biomedical and
health sciences

#20

in R&D
federal
spending

