



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
Introduction to Health Informatics

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
Computing in Biomedical and Health Informatics

PQHS 444
Communicating in Population Health Sciences

PQHS 445
Research Ethics in Population Health Sciences

PQHS 413
Introduction to Data Structures and Algorithms in Python

PQHS 471
Machine Learning & Data Mining

#1

medical school in Ohio

#25

medical school for research

#16

worldwide for biomedical and health sciences

#20

in R&D federal spending

Your Path to a PhD

Immerse yourself in a rich educational experience, beginning with a required common core curriculum that introduces you to key domains such as data structures, statistical methods, and epidemiology. From delving into medical imaging fundamentals to mastering bioinformatics, you'll explore diverse aspects of the Biomedical and Health domains.

Equipped with a deep understanding of informatics and population health, you'll be poised to drive innovation, bridge technology and healthcare, and pioneer solutions that transform the future of biomedicine and health informatics.

CWRU Invests in You

100% fully-funded tuition

100% mandatory fees and health insurance paid

\$37,000 annual stipend to PhD students

\$2,000 moving stipend

Admissions Timeline and Core Application Requirements

Admissions Cycle	Time
BHI Application Opens	September
Funding Consideration Deadline	December 15
Final Application Deadline	December 15
Virtual Interviews	November - March
Decisions Made	December - April
Admitted Student Events	March - April
Program Begins	August

Core Application Requirements

- Unofficial transcripts
- Current Resume/CV
- Three letters of recommendation
- Statement of Purpose

For details, visit

<https://case.edu/medicine/pqhs/education/biomedical-health-informatics>



Ready to learn more?
Reach out to our admissions team
at informatics@case.edu or QR
code to request more info.



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