



**Eastern
International
College**

BACHELOR OF SCIENCE IN HEALTH INFORMATICS (BSHI)

PROGRAM OUTLINE:

The Bachelor of Science in Health Informatics prepares graduates with a strong foundation in healthcare systems and health informatics, combining clinical understanding with technical and analytical skills needed in modern healthcare environments. Students develop the ability to explain key concepts in human biology, disease processes, and healthcare delivery systems as they relate to both individual and population health. Graduates learn to apply health informatics tools, including electronic health records, telehealth systems, and other digital health technologies, to improve healthcare delivery and support clinical workflows. They gain hands-on experience in managing healthcare databases and information systems through the application of data architecture, programming, and systems design principles. The program also emphasizes the development of strong analytical skills, enabling graduates to analyze healthcare data using statistical, computational, and visualization methods to support evidence-based decision making. In addition, students learn to evaluate issues related to healthcare data governance, quality, privacy, security, and emerging technologies, with attention to effectiveness, compliance, and ethical considerations.

PROGRAM DELIVERY:

The program is delivered fully asynchronously in an online format, providing students with flexibility to engage with course materials, lectures, and assignments on their own schedule while meeting established deadlines. While the format is asynchronous, the program maintains strong academic engagement and support through regular instructor feedback, guided activities, and collaborative learning opportunities that promote mastery of health informatics concepts and practical skills.

HOW TO APPLY:

Email : admissions@eiccollege.edu

Call: [\(201\) 216-9901](tel:(201)216-9901)

**EASTERN INTERNATIONAL COLLEGE
684 Newark Avenue Jersey City, New Jersey 07306
www.eiccollege.edu**

GENERAL EDUCATION COURSES

COURSE NUMBER

COURSE TITLE

QUARTER CREDITS

BIO 101	Anatomy and Physiology I	6.0
BIO 102	Anatomy and Physiology II	6.0
ENG 101	English Composition I	4.5
ENG 102	English Composition II	4.5
ENG 302	Research Design and Writing	4.5
COM 201	Interpersonal Communication	4.5
MAT 103	College Algebra	4.5
MAT 203	Fundamentals of Statistics	4.5
SOC 101	Introduction to Sociology	4.5
ART 101	Art Appreciation	4.5
REL 301	World Religions	4.5
PSY 101	Introduction to Psychology	4.5
IFT 102	Computer Science Principles	4.5
IFT 202	Data Base Concepts	4.5
HEA 401	Bioethics	4.5
HEA 403	Global Health	4.5

TOTAL: 75 Quarter Credits

PROGRAM CORE COURSES

COURSE NUMBER

COURSE TITLE

QUARTER CREDITS

HIF 200	Introduction to Programming in Python	4.5
HIF 201	Medical Terminology	4.5
HIF 202	Pathophysiology	4.5
HIF 203	Healthcare Delivery Systems	4.5
HIF 204	Healthcare Law and Ethics	4.5
HIF 205	Quality Management in Healthcare	4.5
HIF 206	Principles of Healthcare Leadership	4.5
HIF 207	Healthcare Finance	4.5
HIF 300	Data Structures and Algorithms for Health Informatics	4.5
HIF 301	Introduction to Health Informatics	4.5
HIF 302	Healthcare Database Systems and Architecture	4.5
HIF 303	Electronic Health Records and Workflow	4.5
HIF 304	Healthcare Data Analytics and Visualization	4.5
HIF 305	Population Health Informatics	4.5
HIF 306	Telehealth and Digital Health Technologies	4.5
HIF 307	Health Information Privacy and Security	4.5
HIF 402	Clinical Decision Support Systems	4.5
HIF 403	Health Data Interoperability and Standards	4.5
HIF 404	Healthcare Data Quality Management and Governance	4.5
HIF 405	Artificial Intelligence Applications in Healthcare	4.5
HIF 406	Healthcare Project Management	4.5
HIF 407	Health Informatics Research Methods & Applied Data Science	4.5
HIF 408	Capstone Integration	6.0

105 Quarter Credits