Health and medical data present layers of complex challenges to professionals in this highly regulated industry. Organizations are turning to information technology to develop accurate, compliant, and efficient solutions. New technologies emerge almost daily which impact the interfaces between data systems, developers, and health care practitioners.

The Master of Science in Health and Medical Informatics offers students the opportunities to develop strong analytical skills and leadership abilities essential to healthcare-related organizations. Students will learn about the fundamentals and best practices of health information management systems, IT standards in the health industry, emerging technologies, and process efficiencies aimed to improve healthcare delivery.

**GRADUATES ARE PREPARED TO:**

- Utilize health information technology for decision support, knowledge management, strategic planning, and outcomes assessment to optimize cost efficiencies in the health care system.
- Become proficient in the “language” of health care, navigate the rules around using medical data, and obtain relevant information to assess changes to the health care system.
- Facilitate the development and advancement of emerging information technologies to improve health care delivery and cost efficiencies.
- Gain an in-depth understanding of new and existing health information management systems within the context of the U.S. health care system.
- Participate in the development, implementation, evaluation and management of information technology solutions to improve patient care and the health care delivery process.
- Effectively interface between the data systems developers and the user community.

― Robert Havasy, M.S. in Health and Medical Informatics Graduate, 2014
ARThUR W. HARVEY, MS, CPHIMS, is the Associate Chief Information Officer at Boston Medical Center. He has over 25 years of experience in the health care informatics field with a particular focus on the design and implementation of clinical systems for large hospitals.

C ARL MOORE, MBA, MFA, has spent over 25 years in Information Technology and over 17 years as a Health Care Information Technology Manager.

JEFFREY L. BROWN, MS, is the CIO at Lawrence General Hospital, and former Director of Health Informatics and Analytics at Steward Health Care. Jeff has experience across areas of health care systems including the design, building and implementation of EMR, EHR, PHRs, Telehealth, Telemedicine, and Analytic systems and strategies.

HEALTH AND MEDICAL INFORMATICS STUDENTS
- The median age for the program’s students is 37.
- The program population is 42% male and 58% female.
- Number of states our students represent: 21.
- Most represented states: Massachusetts, New York, California, Florida, Maryland and New Jersey.
- 12 students have graduated from this program since it launched in 2010.
- 59 students are currently enrolled and working towards a degree.

OUR STUDENTS WORK OR HAVE WORKED AT PRESTIGIOUS ORGANIZATIONS SUCH AS:
- Children's Hospital Boston
- CVS Pharmacy
- Department of Public Health
- Humedica, Inc.
- Massachusetts General Hospital
- Blue Cross Blue Shield
- Millennium Pharmaceuticals
- Thomson Reuters Healthcare

REQUIRED COURSES
- Perspectives on Health/Medical Information Systems
- Health Data and Electronic Health Records
- Health/Medical Information Systems Security
- Data Analysis and Decision Support for Health Informatics
- Legal Issues in Health and Medical Informatics
- Clinical Business Issues in Health Informatics

CATEGORY A ELECTIVES (SELECT AT LEAST 2)
- Advanced Health Care Data Analytics
- Health Care Delivery in the U.S.
- Emerging Technologies in Health/Medical Informatics
- Strategic Application of IT in Healthcare
- Principles of Business Continuity Planning

SAMPLE CATEGORY B ELECTIVES (SELECT UP TO 2)
- R for Biomedical Informatics
- Professional Communications
- Health/Medical Informatics Independent Study Project
- Securing Applications, Web Services, and Software-As-A-Service (SaaS)
- Principles of Incident Response and Disaster Recovery
- Organizational Leadership and Decision Making
- Foundations of Project Management
- Data Warehousing and Data Mining

Connect with an Enrollment Advisor today to discuss your interest or make a plan to apply. Call us toll free: 800-618-4681 or apply online.