



ON CAMPUS



ONLINE

Health Informatics Programs

- Master of Science Concentration
- Graduate Certificate



The Health Information Technology for Economic and Clinical Health (HITECH) Act of 2009 was introduced by the U.S. government to drive implementation of electronic health records (EHRs) throughout the national health care system. Despite the widespread adoption of EHRs, health care providers continue to face challenges related to new technology, interoperability of EHR systems, and tech infrastructure. In addition, there is a shortage of qualified health IT professionals who straddle the areas of public health, information management and exchange, health information privacy and security, R&D, and programming and software engineering.

Boston University's Metropolitan College established the following Health Informatics programs to help students meet this evolving need:

- Concentration in Health Informatics, Master of Science in Computer Information Systems (MSCIS)
- Graduate Certificate in Health Informatics

For those with a technology background who wish to specialize in health and biomedical IT, these graduate programs provide an interdisciplinary, integrated approach to the field, and draw on the expertise of Boston University faculty in computer science, medicine, and biomedical engineering. Students gain advanced knowledge of the functionality, technical infrastructure, and best-practice deployment of health care IT, including medical algorithms, EHRs, privacy and security, and regulations. The curriculum covers the American health care system, along with the fundamental medical terminology, anatomy and physiology, and disease processes, diagnostic modalities, and treatments.

The MSCIS concentration is one of only 13 Health Informatics master's degree programs in the United States to be accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM), the accrediting organization for degree-granting programs in health informatics and health information management. Graduates of our programs enter the field prepared to lead health IT initiatives; manage, process, and analyze medical data; ensure privacy and security of health information systems; and design and implement advanced software solutions.

LEARN FROM THE BEST

- *The Health Informatics concentration is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).*
- *The online master's in Computer Information Systems is ranked #6 among "Best Online Graduate Computer Information Technology Programs," U.S. News & World Report (2018).*
- *The Health Informatics degree concentration is ranked #5 among "The 30 Best Online Master's in Healthcare Informatics Degree Programs," TheBestSchools.org (2018).*
- *BU is designated by the National Security Agency and the Department of Homeland Security as a National Center of Academic Excellence in Information Assurance Education and Research.*



PROGRAM FEATURES

- Successful completion of the degree program makes you eligible to sit for the American Health Information Management Association (AHIMA) professional Health Information Management (HIM) Exams.
- Students have access to MET's Health Informatics Research Lab (HILab), which focuses on collaborative research and development in health informatics, bioinformatics, and clinical research.
- Ten-course degree curriculum can be completed in less than two years, full- or part-time, on campus or online. Four-course graduate certificate can be completed in 8-12 months.
- Online format includes live lectures and discussion sessions, videos, interactive animations, discussion boards, and more; online courses begin six times a year.
- Applications are accepted on a rolling admissions basis.
- Credits earned for the certificate can be applied toward the master's degree program.
- GMAT/GRE not required.

Boston University Metropolitan College

617-353-6004 | CSAdmissions@bu.edu | bu.edu/met



HEALTH INFORMATICS PROGRAMS

MASTER OF SCIENCE IN COMPUTER INFORMATION SYSTEMS

CONCENTRATION REQUIREMENTS

A total of ten courses (40 credits) is required.

Core Curriculum (five courses/20 credits)

MET CS 625	<u>Business Data Communication and Networks</u>
MET CS 669	<u>Database Design and Implementation for Business</u>
MET CS 682	<u>Information Systems Analysis and Design</u>
MET CS 782	<u>IT Strategy and Management</u>

And one of the following*:

MET CS 520	<u>Information Structures with Java</u>
MET CS 521	<u>Information Structures with Python</u>

Health Informatics Concentration Requirements

(five courses/20 credits)

MET CS 570	<u>Biomedical Sciences and Health IT</u>
MET CS 580	<u>Health Informatics</u>
MET CS 581	<u>Electronic Health Records</u>
MET CS 695	<u>Enterprise Cybersecurity</u>
MET CS 781	<u>Advanced Health Informatics</u>

Students who have completed courses on core curriculum subjects as part of their undergraduate degree program or have relevant work-related experience may request permission from the Department of Computer Science to replace the corresponding core courses with graduate-level computer information systems electives.

**If a student chooses to take both MET CS 520 and MET CS 521, the first course completed will fulfill the core requirement and the second course completed will count as an elective.*

Graduate Certificate Requirements

A total of four courses (16 credits) is required.

MET CS 570	<u>Biomedical Sciences and Health IT</u>
MET CS 580	<u>Health Informatics</u>
MET CS 581	<u>Electronic Health Records</u>
MET CS 781	<u>Advanced Health Informatics</u>

LEARN MORE

If you have questions, or you're looking for information about admission and tuition, please contact us or visit us online:

Phone 617-353-6004

Email CSAdmissions@bu.edu

Visit bu.edu/met

A Top-Ranked University

2017-18 U.S. News & World Report rankings:

- #37, National Universities
- #39, Global Universities



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