Influence Tomorrow’s Technology, Today
The online Master of Science in Health Informatics program at the University of Illinois at Chicago is focused on educating the next generation of health informaticists. Students will learn how to apply their knowledge and skills to real-world problems in healthcare. This cutting-edge, 100 percent online program encompasses clinical, leadership, security, data analytics, mobile and consumer informatics, and human computer interaction courses to prepare students to tackle the important issues such as healthcare quality, rising costs and patient-centered experience. Graduates can pursue careers in a variety of areas in the healthcare industry: hospitals, life sciences research, business and industry, government and academia.

Health Data Science Concentration
The Master of Science program now offers a Health Data Science (HDS) concentration to prepare students to work in today’s data-driven healthcare industry. The HDS concentration offers courses in statistics, programming and health data analytics. Courses introduce students to a more technical subject matter and move them beyond “knowing about” the subject to developing experience actually working with healthcare data. HDS requires a unique set of skills that combine deep business and quantitative abilities applied to solve clinical and research challenges. Students build key competencies in data analytics applied specifically to healthcare. The HDS concentration addresses a job market gap and prepares students for the data analytics profession. Students can earn the concentration by completing four courses — using their 12 hours of required electives to complete concentration requirements. The concentration is documented on the official student transcript.

Program Objectives
• Develop critical and strategic thinking skills to understand how health information technology is used effectively to collect and transform data, making information and knowledge accessible across organizations.
• Acquire knowledge of health informatics practices to guide your organization in the development, implementation and evaluation of health informatics strategies to improve patient care.
• Develop leadership and management skills necessary to facilitate socio-technical and organizational change within your organization.
• Complete the program in as few as 2.5 years.
• Access program content, complete projects and participate in class discussions 100 percent online.
• Earn a world-class education from a Tier 1 research institution located in an urban setting recognized as a growing health tech hub.

The Master of Science in Health Informatics program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).
Regionally accredited by the Higher Learning Commission.
http://www.hlcommission.org

Are you ready to actively shape the future of healthcare IT?
Call us at 1-866-MSHI-UIC (674-4842) or visit us at www.healthinformatics.uic.edu

Given the shift toward electronic health records, there is growing demand for health informatics professionals who can conduct meaningful analysis of the rising mass of health data collected with newly implemented technology. If you have a passion for delving deeper into data, you can extend your health informatics education. Contact an enrollment advisor to learn more about UIC’s highly esteemed Master of Science in Health Informatics.
Dynamic Online Curriculum

The graduate-level curriculum in Health Informatics at the University of Illinois at Chicago provides a comprehensive, real-world approach to using technology to collect data and apply knowledge for decision-making in a wide range of healthcare delivery contexts. Expertly crafted to impart a solid foundation of health informatics knowledge, the program’s cutting-edge curriculum also covers a wide range of industry-relevant topics, including socio-technical trends, ethics and technology topics.

Course Listing
Prerequisite Courses (may be waived in some instances)
BHIS 406 Medical Terminology for Health Information Management 2 hours
HIM 486 Fundamentals of Health Information Management 2 hours

Core Courses
BHIS 437 Healthcare Data 3 hours
BHIS 499 Information Sources in Biomedical & Health Information Sciences 1 hour
BHIS 503 Communication Skills in Health Informatics 3 hours
BHIS 505 Ethics & Legal Issues in Health Informatics 3 hours
BHIS 510 Health Care Information Systems 3 hours
BHIS 515 Management of Health Care Communication Systems 3 hours
BHIS 520 Health Information Systems Analysis & Design 3 hours
BHIS 525 Social & Organizational Issues in Health Informatics 3 hours
BHIS 530 Topics in Health Informatics 3 hours
BHIS 593 Health Informatics Capstone Experience 1 hour

Additional Core — Project and Thesis Research Track
BHIS 500 Strategic Inquiry in BHIS 3 hours
BHIS 595 Seminar in Biomedical and Health Information Sciences 1 hour
BHIS 597 Project Research in Biomedical and Health Information Sciences 0-5 hours
BHIS 598 Thesis Research in Biomedical and Health Information Sciences .0-16 hours

Electives
BHIS 509 Informatics for the Clinical Investigator 3 hours
BHIS 511 Application of Health Care Information Systems 3 hours
BHIS 514 Patient Safety Topics in Health Informatics 2 hours
BHIS 517 Health Care Information Security 3 hours
BHIS 522 Mobile Health Informatics 3 hours
BHIS 527 Knowledge Management in Healthcare Organizations 3 hours
BHIS 528 Consumer Health Informatics 3 hours
BHIS 529 Transforming Healthcare Using Business Intelligence & Predictive Analytics 3 hours
BHIS 532 Theoretical Concepts of Clinical Decision Support Systems 3 hours
BHIS 533 Practical Implementation of Clinical Decision Support Systems 3 hours
BHIS 541 Health Data Analytics 3 hours
BHIS 542 Artificial Intelligence 3 hours
BHIS 554 Health Informatics Business Intelligence Tools and Applications 3 hours
BHIS 561 Programming for Health Analytics 3 hours
BHIS 567 Healthcare Data Visualization 3 hours

Health Data Science Concentration Courses
To earn the optional Health Data Science concentration you must take two required courses and choose two elective courses. This concentration can be used to fill the 12 hours of required electives.

Required Courses for the HDS Concentration:
BHIS 540 Essentials of Health Data Science 3 hours
BHIS 575 Applied Statistics for HDS 3 hours

Elective Courses for the HDS Concentration
BHIS 527 Knowledge Management in Healthcare Organizations 3 hours
BHIS 529 Transforming Healthcare Using Business Intelligence & Predictive Analytics 3 hours
BHIS 532 Theoretical Concepts of Clinical Decision Support Systems 3 hours
BHIS 533 Practical Implementation of Clinical Decision Support Systems 3 hours
BHIS 541 Health Data Analytics 3 hours
BHIS 542 Artificial Intelligence 3 hours
BHIS 554 Health Informatics Business Intelligence Tools and Applications 3 hours
BHIS 561 Programming for Health Analytics 3 hours
BHIS 567 Healthcare Data Visualization 3 hours

Admission Requirements
• Bachelor’s degree from a regionally accredited institution
• At least 3.0/4.0 cumulative GPA in undergraduate study or for all terminal graduate degrees. In addition to the previous requirements, the cumulative GPA for any graduate-level coursework must be at least 3.0/4.0.
• Official transcripts from each post-secondary institution attended
• Current resume highlighting the applicant’s education and experience
• Personal statement from the applicant addressing the outcomes and benefits the applicant hopes to receive by completing the program
• Two recommendation letters
• No GRE or GMAT required
• Non-refundable $70 application fee
• International applicants must submit TOEFL, IELTS, PTE Academic or TOEFL PTB scores to be admitted as a graduate degree-seeking student. Contact an enrollment advisor for additional international admissions requirements.

Interested in learning more about this dynamic degree program? Contact an enrollment advisor for full admission requirements.
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