Health Informatics

The comprehensive Master of Health Informatics curriculum focuses on the interdisciplinary study of the design, development, adoption and application of information, data and technology driven innovations in healthcare. Informatics is a top healthcare career choice because it combines patient care with health IT skills for the purpose of analyzing data. Health informatics impacts all areas of healthcare from the patient to administration to research. The focus is on the technical components of healthcare to help reduce medical errors, increase efficiency, reduce costs, and make savvy service decisions for the populations being served.

The mission of the program is to prepare a diverse group of highly effective health informatics leaders that utilize multifaceted IT lifecycle strategies and data analytic skills to transform and improve health care delivery, administration, research, and outcomes.

The vision of the program is to create Health Informatics leaders in the health data and applied informatics field.

The Master of Science in Health Informatics is 33 credits. There is no room in the degree for elective credits.

A minimum 'B-' grade is required in all graduate courses. Students must obtain an overall GPA of 3.0 (B) in order to graduate. All students refer to the Academic Probation policy regarding grade lower than a 'B-' in the graduate program.

Core Courses

HCA 525: Epidemiology and Population Health Informatics	3cr
HCA 640: Applied Statistical Research in Health Sciences	3cr
HIF 530: Introduction to Health Informatics and Hot Topics	3cr
HIF 535: Health Information Analytics	3cr
HIF 540: Health Data Vocabularies and Standards	3cr
HIF 550: Clinical Database Management	3cr
HIF 610: Information Systems Analysis and Design	3cr
HIF 615: Information Technology Project Management	3cr
HIF 630: Health Information Systems	3cr
HIF 645: Health Information Security and Application	3cr
HIF 695: Health Informatics Masters Capstone	3cr
Core Total	**33cr**

Student Learning Outcomes

Students who graduate with a Master of Science in Health Informatics will be able to:

1. apply healthcare informatics and technology concepts and skills to case studies and real-world situations;
2. calculate and assess health data and statistical data for decision making in the healthcare environment;
3. apply health policies and practices in areas such as legal, ethical, privacy and security and information governance;
4. improve the various healthcare functions associated with the integration of information technology by implementing technology initiatives;
5. develop system design and software initiatives for healthcare organizations;
6. compile, conduct and create new information based the use of technology and datasets through data analytics;
7. determine best practices for implementation of technology initiatives through effective project management;
8. apply technology tools, methods, and standards for collecting, organizing, representing, sharing, integrating and learning from health data and knowledge across the health informatics domains.