

Master of Science Health Science
 Concentration Health Informatics
 Academic Year 2019-2020

DEGREE REQUIREMENTS:
FALL MODULE 1
HSCI 6345 Legal and Ethical Issues in Healthcare
HSIN 6351 Leadership in Health Informatics
FALL MODULE 2
HSCI 6307 Health Care Policy, Organization, and Financing
HSIN 6347 Information Management Technology & Consumer Health
SPRING MODULE 1
HSCI 7302 Professional Proposal Writing
HSIN 6349 Clinical Information Systems Life Cycle Management
SPRING MODULE 2
HSCI 6310 Research in Health Science
HSIN 6352 Ethics & Legal Issues in Information Technology
SUMMER MODULE 1
HSCI 6300 Intro HealthCare Sys & Quality Improvement
HSIN 6350 Health Systems Project Management
SUMMER MODULE 2
INFS 6340 Healthcare Informatics
HSIN 6348 Healthcare Database Management

Module Duration: 7 weeks
 Course Credit Hours: 3

Master of Science Health Science Concentration Health Informatics Course Descriptions

HSIN 6351 Leadership in Health Informatics

This course provides a comprehensive understanding of how informatics relates to the healthcare industry. This course affords the student an advanced overview of health care informatics within the context of leading and managing information technology. Included in this course are healthcare concepts related to informatics, team building, change management, policy development, quality outcomes, and staff development.

HSIN 6347 Information Management Technology & Consumer Health

This course examines the role and function of information management in health care organizations. Content is comprised of the tools and techniques necessary for effective information flow related to the operational management of information technology. The representation of data within the electronic and personal health record is critically analyzed for interoperability and retrieval.

HSIN 6349 Clinical Information Systems Life Cycle Management

This course examines the management of the clinical information system lifecycle including infrastructure, implementation, and evaluation. Content is comprised of practical issues related to system implementation, security, and maintenance. Best practices concerning human-computer interaction and systems building will be analyzed.

HSIN 6352 Ethics & Legal Issues in Information Technology

This course provides an in-depth overview of the legal, ethical, and societal issues associated with information technology. Included is practical business information for informatics specialists to examine different ethical situations that arise in information technology and practical ways to address these issues.

HSIN 6350 Health Systems Project Management

This course provides an integrated view of the many concepts, skills, tools and techniques related to healthcare project management. Fundamental project management concepts and effective project planning are presented in a theory to practice context.

HSIN 6348 Healthcare Database Management

This course examines the effective use of data, information, and tools to manage, retrieve, and analyze healthcare data. Content is comprised of the principles of computer science as well as database models and systems.