Semester I

HLT 2100 Introduction to Health Care and Health Care Ecosytems (3 semester hours)
A survey of the history and how health care and public health are organized and services delivered in the U.S. Covers public policy, relevant organizations and their interrelationships, accreditation, health care governing bodies, reimbursement, professional roles, legal and regulatory issues, and payment systems. Current issues in the health care arena are also discussed.

HLT 2200 The Culture and Ethics of Health Care (3 semester hours)
Addresses job expectations in health care settings. It will discuss how care is organized inside a practice setting, privacy laws, and professional and ethical issues encountered in the workplace.

HLT 2300 Clinical Classification Systems and Terminology in Health Care (3 semester hours)
An exploration of the coding systems related to health care. An in-depth review of specific terminology used by workers in health care and public health is also covered.

CIT 2150 Introduction to Information Technology (3 semester hours)
Provides a basic overview of computer architecture; data organization, representation and structure; structure of programming languages; networking and data communication. Includes basic terminology of computing.

Semester II

HIT 3300 Introduction to Health Management Information Systems and Informatics (3 semester hours)
Introduction to health IT standards, health-related data structures, data collection and analysis, software applications and enterprise architecture in health care. Includes a consideration of telemedicine, cloud computing, and other technologies that impact the storage and analysis of healthcare information.

HIT 3400 Working with Health IT Systems (3 semester hours)
Students will work with simulated systems or real systems with simulated data. As they play the role of practitioners using these systems, they will learn what is happening inside. They will experience threats to security and appreciate the need for standards, high levels of usability, and how errors can occur.
CIT 2200 IT Project Management (3 semester hours)  
Provides an opportunity for students to develop a working knowledge of project management in the IT environment. The course will introduce the student to accepted techniques in both project management and business analysis.

HIT 3000 Electronic Health Records (3 semester hours)  
Fundamentals of health workflow process analysis and redesign as a necessary component of complete practice automation. Includes topics of process validation and change management.

Semester III

HIT 3600 Networking, Security, and Health Information Exchange (3 semester hours)  
In-depth analysis of data mobility including the hardware infrastructure (wires, wireless, and devices supporting them), the ISO stack, standards, Internet protocols, federations and grids, the NHIN and other nationwide approaches. Also takes a significant look at system interfaces and messaging including the use of HL7.

HIT 3000 Fundamentals of Health Workflow Process Analysis and Redesign (3 semester hours)  
A practical experience with a laboratory component, addressing approaches to assessing, selecting, and configuring EHRs to meet the specific needs of customers and end-users.

HIT 4000 Installation and Maintenance of Health IT Systems (3 semester hours)  
Instruction in installation and maintenance of health IT systems, including testing prior to implementation. Introduction to principles underlying system configuration. Hands-on experiences in computer labs and on-site in health organizations. Includes a thorough review of the entire process from analysis and development of a RFP/RFI to implementation.

HIT 4300 Vendor-Based Clinical and Health Systems (3 semester hours)  
Provides an overview of the most popular vendor systems highlighting the features of each as they would relate to practical deployments, and noting differences between the systems.

HIT 4900 Professional Health IT Practicum (4 semester hours)  
An opportunity to apply learned skills in a hands-on health care information technology environment. A minimum of 150 hours are required. (This practicum may be waived with Director’s approval).