HEALTH INFORMATION TECHNOLOGY - HIT

HIT 515 Introduction to Health Information Technology 3 Credits
This course traces the development of IT systems in health care and public health, beginning with the experiments of the 1960s and culminating in the HITECH Act. The course focuses on the concept of meaningful use of technology and the federally required stages of Meaningful Use.
Offered: every fall & spring, online only.

HIT 525 Introduction to Information and Computer Science 3 Credits
This course is recommended for students without an IT background providing: a basic overview of computer architecture; data organization, representation and structure; networking; and data communication. Includes basic terminology of computing.
Prerequisite: HIT 515.
Offered: every spring, online only.

HIT 535 Understanding EHRs 3 Credits
This course presents approaches to assessing, selecting, configuring, and using EHRs to meet the specific needs of end-users. Includes discussion of Stages of Meaningful Use and reimbursement. Provides an overview of the most popular vendor systems, highlighting the features of each, as they relate to practical deployments, and noting differences between the systems. Will also include discussion around the use of tools such as registries and clinical decision support.
Prerequisites: HIT 515, 525, 555
Offered: every fall, online only.

HIT 545 Health Management Information Systems 3 Credits
This course presents general functions, purposes and benefits of health information systems in various health care settings in terms of their ability to support the requirements of a health care enterprise. Course content lays the foundation for understanding health management information systems (HMIS). Topics include HMIS: applications; planning; management; standards; and case studies.
Prerequisite: ALH 500 & HIT 515.
Offered: every summer, online only.

HIT 555 Networking and Health Information Exchange 3 Credits
This course involves instruction on data mobility (HISP) and other standards, Internet protocols, federations and grids, the National Health Information Network (NHIN) and other nationwide approaches, continuity of care documents, etc.
Prerequisite: HIT 515 & HIT 525.
Offered: every spring, online only.

HIT 600 Health IT Workflow 3 Credits
This course introduces the concepts of health IT and practice workflow redesign as instruments of quality improvement. For those focused on health care, course materials will address establishing a culture that uses IT to support improved quality and safety. Approaches to assessing patient safety issues and implementing quality management and reporting through electronic systems will be discussed. For those with IT backgrounds, the course includes fundamentals of health workflow process analysis and redesign as a necessary component of complete practice automation; includes topics of process validation and change management.
Prerequisites: ALH 500, HIT 515, 525, and 555
Offered: every summer, online only.

HIT 615 Public Health Information Technology 3 Credits
This course provides an overview of specialized public health applications such as registries, epidemiological databases, and bio-surveillance.
Prerequisite: HIT 515, HIT 525, HIT 535, HIT 545, HIT 555.
Offered: every summer, online only.

HIT 625 Health IT Security and Privacy 3 Credits
This course will focus on increasing understanding of the State and Federal health care laws and regulations regarding security and privacy. Students will learn to develop health care solutions and strategies within the limitations of these statutes. Students will demonstrate an understanding of HIPAA and how to protect its use or guard against misuse.
Prerequisite: HIT 515, HIT 525, HIT 535, HIT 545, HIT 555.
Offered: every fall, online only.

HIT 635 Planning, Management, and Leadership for Health IT 3 Credits
This course is intended for those preparing for leadership roles and includes the principles of leadership and effective management of teams. Emphasis on the leadership modes and styles best suited to health IT deployment. Students will receive a broad overview of project management including some distinctive characteristics of health IT projects. This unit includes several real life scenarios to illustrate the diversity of projects in health IT.
Prerequisite: HIT 515, HIT 525, HIT 535, HIT 545, HIT 555.
Offered: every spring, online only.

HIT 689 Master's Project/Practicum I 1 Credit
The master’s project is designed as a rigorous scholarly activity that provides an opportunity to integrate theoretical knowledge with research and/or practical experience.
Prerequisite: HIT 515, HIT 525, HIT 535, HIT 545, HIT 555 & permission of program director.

HIT 699 Master’s Project/Practicum II 1 Credit
The master’s project is designed as a rigorous scholarly activity that provides an opportunity to integrate theoretical knowledge with research and/or practical experience.
Prerequisite: HIT 515, HIT 525, HIT 535, HIT 545, HIT 555 & permission of program director.