

# HITC Health Informatics

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## **HITC 3000 Introduction to Health Informatics**

**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

An introductory survey of the field of health informatics, including the origin and development of the discipline into a profession as well as current and future trends in practice. Student orientation to the terminology used in the field as well as some of its more common applications including data quality assessment, data standards, and the regulatory framework for data privacy and confidentiality (HIPAA) are presented.

**Prerequisite(s):** RESP 2110.

## **HITC 4100 Analysis of Healthcare Data**

**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Survey of the methods that are commonly employed in the analysis of healthcare data commonly extracted from healthcare information systems such as electronic health records.

**Prerequisite(s):** A minimum grade of "C" in HSCC 2300 and completion of MATH 2200 or MATH 1401.

## **HITC 4700 Introduction to Project Management**

**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Survey of knowledge areas and tools necessary for successful management and completion of HI-related projects. Starting from project pre-initiation and selection process, this course also stresses the life cycle of health care information technology (HIT) projects and how to apply appropriate knowledge areas in various phases of HIT project's life cycle for integrated project management.

**Prerequisite(s):** A minimum grade of "C" in HSCA 4630.

## **HITC 4750 Principles of Knowledge Management and Decision Support**

**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to the principles of knowledge management and its application to health informatics. The course will address standard knowledge management lifecycle, including acquisition, organization, processing, sharing, and operationalization within the healthcare enterprise as well common approaches to clinical decision support, diffusion of innovation, data warehousing, and data mining.

**Prerequisite(s):** A minimum grade of "C" in HSCA 4630.

## **HITC 4800 Special Topics in Health Informatics**

**3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.**

Introduction to current and emerging topics of importance to the field of health informatics including, but not limited to, health information exchange, meaningful use of health data, electronic medical records and provider order entry systems, enterprise architecture and applications, data standards, interoperability, etc.

## **HITC 4900 Internship**

**1-6 Credit Hours. 0-18 Lecture Hours. 0-18 Lab Hours.**

On-site experience under the direction of a site supervisor (an off-campus health informatics professional) and a faculty supervisor. A faculty supervisor will establish criteria for performance and evaluation prior to the semester the internship is undertaken. Students may use a maximum of 6 hours of internship credit to fulfill degree requirements.