



Health IT Certificate: “Introduction to Health Information Technology”

Overview

This health IT certificate is designed as an introductory certificate to health IT, electronic health records (EHRs) and the HITECH Act. Key topics that will be covered include: the HITECH Act, meaningful use, EHRs, computerized provider order entry, clinical decision support systems, privacy and security, workflow and HIT quality improvement.

New Certificate

This proposal outlines a **new** certificate that Dakota State University will offer. The certificate will utilize curriculum provided by the Curriculum Development Centers Program. After students complete the identified units of study, an assessment (quiz) will be completed to verify learning. Students must earn at least a 70% on this assessment to earn the “**Introduction to Health Information Technology**” certificate.

The certificate maps to select competencies of the ONC role, Implementation Specialist. It is anticipated that individuals who enroll in this certificate will be involved on implementation teams or highly affected by implementations of health IT/EHRs. The certificate is not designed to prepare a student to complete the related HIT Pro Competency exam.

Target Audience

This target audience of this certificate will include the following groups:

- Incumbent workers who have expressed interest in DSU’s health IT certificates, but desire a shorter training opportunity
- Employees of South Dakota’s Regional Extension Center
- DSU instructors involved with health IT initiatives on DSU’s campus
- Members of SDHIMA
- Healthcare leaders that need to understand the health IT landscape

Students wishing to learn more in-depth health IT knowledge will be directed to apply for one of DSU’s other four health IT certificates: HIT Implementation and Support, HIT Management, HIT Trainer and HIT Workflow Specialist.

This new certificate, “Introduction to Health Information Technology,” is designed to provide an introductory level of health IT awareness.

Curriculum Plan

- Please refer to page two for a list of the units that are included in the Introduction to Health Information Technology certificate.
- The certificate will be delivered in an online format, utilizing Desire2Learn, DSU’s online learning management system. The certificate will be available in a self-paced format (open-entry/open-exit) and will utilize Version II of the health IT curriculum.
- Upon successful completion of the required units, students will be issued a certificate of completion from Dakota State University.

Introdcution to Health IT Certificate			
Unit Counter	History of HIT (#5)	Lecture Length MINUTES	
1	Unit 3: Evolution of Health IT: The HITECH Act	40	40
	Lecture 3a: Regional Extension Center and Workforce Training	18	
	Lecture 3b: Meaningful Use, Health Information Exchange and Research	22	
	Health Management Information Systems (#6)	Lecture Length MINUTES	157
2	Unit 3: Electronic Health Records	57	
	Lecture 3.1: Introduction to EHR	26	
	Lecture 3.2: External Influences (EHRs, HIEs, NHIN)	31	
3	Unit 4: Computerized Provider Order Entry (CPOE)	40	
	Lecture 4.1: Introduction to CPOE	23	
	Lecture 4.2: Aspects of CPOE (Value, Barriers, Potential Impact)	17	
4	Unit 5: Clinical Decision Support Systems (CDSS)	60	
	Lecture 5.1: Definition of CDSSs	32	
	Lecture 5.2: CDSS - Challenges, Barriers, Legal/Regulatory Considerations, Future Directions	28	
	Working with Health IT Systems (#7)	Lecture Length MINUTES	59
5	Unit 4: The Effective HIT System	20	
6	Unit 7: Protecting Privacy, Security, and Confidentiality in HIT Systems	39	
	Lecture 7.7a	19	
	Lecture 7.7b	20	
	Fundamentals of Health Workflow, Process Analysis and Redesign (#10)	Lecture Length MINUTES	45
7	Unit 1: Concepts of Processes and Process Analysis	45	
	Lecture 10.1: Concepts of Healthcare Processes and Analysis - Part 1	28	
	Lecture 10.1: Concepts of Healthcare Processes and Analysis - Part 2	17	
	Health IT Quality Improvement (#12)	Lecture Length MINUTES	194
8	Unit 1: Health Care Quality and HIT	62	
	Lecture 1a	20	
	Lecture 1b	14	
	Lecture 1c	14	
	Lecture 1d	14	
9	Unit 3: Reliability and Culture of Safety	21	
	Lecture 3.1	21	
10	Unit 5: HIT Design to Support Teamwork and Communication	60	
	Lecture 5a	24	
	Lecture 5b	17	
	Lecture 5c	19	
11	Unit 12: Learning from Mistakes: Error Reporting and Analysis of HIT	51	
	Lecture 12a	24	
	Lecture 12b	27	
	Total Minutes	495	
	Hours*	8.25	