

# Health Informatics and Technology in Decision Making

## Course Run

Healthcare Administration MicroMasters: Health Informatics and Technology in Decision Making  
(DoaneX: HCA-604x)

## Instructor

Nick King

## Course Description

In this course we will examine how Health Informatics Technology (HIT) deals with the acquisition, storage and retrieval of data and is central in addressing the challenges of safety, quality, effectiveness and efficiency in a healthcare system. Proper management of dynamic data, such as electronic healthcare records, can enable a new approach for clinical workflow, evidence-based decision making and team-based care to improve overall public health. You will also gain an understanding of how healthcare informatics is deployed in diverse healthcare systems around the world.

This offering is part of the DoaneX Healthcare Administration MicroMasters program. Upon successful completion of the verified certificate program and acceptance into the Doane University MBA program, this program will satisfy the emphasis area of Healthcare Administration. The learner will only need to take a remaining 21 credit hours to complete their Master of Business Administration degree. Doane's MBA with a Healthcare Administration emphasis is designed for professionals who wish to obtain education and skills to advance as a healthcare executive while also securing their MBA.

To earn the Health Care Administration MicroMasters certificate you will need to pass all eight of the courses in this series as well as pass the comprehensive capstone exam. This course is a self-paced course, you will have until at least the end of 2018 to complete this course.

## Learning Outcomes

Learners who take this course will be able to:

- Understand the concepts around Health Informatics and how it affects Public and population Health
- Compare how Health Informatics is being used around the world in healthcare systems
- Use informatics to evaluate current healthcare practices
- Discuss emerging trends in health informatics

# Course Content and Track Availability

(Note: All graded content is available through the Verified track only)

Sections	Subsections	Availability Track (Audit =A, Verified =V)
Why Health Informatics Now?	Why Now?	AV
	Education & Workforc	AV
	Healthcare Industry Trends	AV
	HITECH Vision	AV
	New Models of Care	AV
	Key Stakeholders	AV
	Models of Care Discussion Forum	V
	Assessment #1	V
The Hub of Health Informatics	The Hub of Health	AV
	Clinical Decision Support (CDS)	AV
	Computer-Based Provider Order Entry	AV
	HIE and Interoperability	AV
	EHR Vendors	V
	Privacy, Security and Confidentiality	V
	Assessment #2	V
Quality and Safety	Quality and Safety	Introduction A – All V
	Population Health	V
	Assessment #3	V
Emerging Trends	Bioinformatics	Introduction A – All V
	Internet, Cloud Computing & Social Media	V
	Telemedicine and Telehealth	V
	Big Data and Analytics	V
	Patient Engagement	V
	Public Health	V
	Global Health Informatics	V
	Assessment #4	V

## Estimated Effort

5 hours/week

## Languages

Content: English | Videos: English | Transcripts: English

## Course Difficulty

Advanced

## Prerequisites

N/A

## Enrollment Tracks

Audit - Freely experience portions of the course.

Verified - Receive a verified Professional Certificate by passing **all eight** courses plus the cumulative capstone exam in the Healthcare Administration MicroMasters Program. To pass each course you will need to have a final grade of 80% or higher. You will receive a Certificate of Completion for each course you pass. Upgrade this course's Certificate of Completion to a Verified Certificate for \$149 (US)

## Passing the Course

A final course score of 80% or higher.

Weighted grades are as follows:

Discussion Forums (4) – 15%

Open Response (1) – 10%

Assessments (4) – 75%

## Accessibility Support

Visit [edX Website Accessibility Policy](#).

Contact [accessibility@edx.org](mailto:accessibility@edx.org) for accessibility questions, concerns, or feedback.

## Course Help

To get help with course content, click the Discussion tab and post a question in "Course Q&A". The course team might not be able to answer every question due the self-paced nature of the course and the number of learners enrolled. We encourage you to seek help from your peers and assist peers who need help.

Please remember to be polite and respectful in all discussion boards. Posting inappropriate or illegal content will not be tolerated.

To learn more about the rules of engagement, please review the [edX Honor Code](#). We actively monitor course discussions. If people post inappropriately, or do not behave in a respectful way, we reserve the right to terminate their account. Simply put, treat others the way you want to be treated.

## Technical Help

For general questions about using the edX platform, please refer to these resources.

- Technical Documentation: <https://docs.edx.org>
- Learner Help Center: <https://support.edx.org/hc/en-us>
- To get help with a technical problem, click the *Support* tab to contact edX Support.