WHY INFORMATICS?

Health informatics drives changes in health care through the use of data. And these changes will lead to big outcomes.

**INFORMATICS WILL HELP REDUCE:**
- Costs
- Human error
- Duplicated tests or procedures
- Malpractice claims
- Billing inefficiencies

**INFORMATICS WILL HELP INCREASE:**
- Patient safety and quality of care
- Population health
- Organizational and workflow efficiencies
- Coordination between care providers
- Patient involvement
MEANINGFUL USE
The Centers for Medicare and Medicaid Services (CMS) created a series of objectives that providers need to meet to prove meaningful use and receive incentive funding. Each objective requires proof that electronic health records (EHRs) are positively impacting patient care and population health.

ICD-10
The move to ICD-10 will increase the number of disease code classifications from 18,000 to more than 155,000—which will provide better patient care and experience, increased analytical capabilities, a more accurate payment structure, and increased efficiencies with decreased costs.

INTEROPERABILITY
Informatics offers opportunities for efficiencies and better patient care for individual organizations, but the ultimate goal is to make this data accessible in a coordinated, nationwide system of health.

MEDICAL TERMINOLOGY
To achieve interoperability, organizations will need to focus on proper implementation and effective training of a standardized way to store and communicate this data. EHRs provide a place for the data to live, while the more specific classification systems of ICD-10 will offer a common language of data.

POPULATION HEALTH
With all of the data we're collecting, informaticists can find trends and consistencies to more easily manage things like chronic illnesses—and hopefully deliver successful outcomes for larger groups of people.

CLINICAL WORKFLOW
Going paperless changes the day-to-day life of health care professionals. Those who understand the workflow will need to collaborate with IT teams to produce systems and processes that enhance outcomes and create efficiencies.

MOBILE HEALTH
Mobile applications allow patients to get more hands-on with their health—but it can also help providers deliver better care and services.

With the implementation of new technologies, systems of health are facing changes and new challenges to solve. Capella University’s informatics programs are designed to help you assist your organization as they face these challenges.
New technology. New information. **New possibilities.**

Several pieces of legislation—including the 2009 Health Information Technology for Economic and Clinical Health (HITECH) Act and 2010 Affordable Care Act (ACA)—have put the pressure on health information technology (HIT) by:

- Incentivizing and mandating EHRs
- Requiring providers to implement a more effective and efficient system
- Calling for providers to prove they’re making improvements through new technologies

As advancements have worked their way into health care, hospitals and other organizations are finding themselves with tremendous amounts of data. And along with the need to collect and safely store this data, health care is being presented with an even larger challenge:

**How can this data be used** to improve the quality of patient care, improve population health, and reduce costs by increasing efficiencies?

**THAT’S WHERE YOU COME IN**
Professionals like you need to lead health care organizations through HIT challenges.

Capella, an accredited, online university, is here to help you gain the skills and knowledge you need to do so with our industry-aligned informatics programs in nursing and health administration.

The demand for health informatics professionals is predicted to grow 22% through 2020—a much higher growth rate than that of all other occupations. 

SOURCE: U.S. BUREAU OF LABOR STATISTICS

Those with a master’s degree in health care informatics make, on average, $20,000 a year more than those with only a bachelor’s degree.

SOURCE: AMERICAN HEALTH INFORMATION MANAGEMENT ASSOCIATION, 2012
WHY GET A DEGREE IN INFORMATICS?
HEALTH CARE INFORMATICS

Business facing, with a focus on complying with regulations and improving hospital finances. Connecting computer science, information technology, and health care administration.

- **Implement** EHRs and understand how they impact organizational, operational, and staffing needs.
- **Manage** interpret, and communicate data to improve patient outcomes.
- **Integrate** ICD-10 into systems.
- **Coordinate** hardware, software, regulatory requirements and infrastructure of a hospital or system of health.
- **Ensure** compliance of data and meaningful use initiatives.
- **Support** continuity and business functions in a system of health.

WHAT WILL YOU BE ABLE TO DO WITH A DEGREE IN INFORMATICS?

**JOB TITLES:**
- Chief information officer
- Chief medical information officer
- Clinical data analyst
- Compliance officer
- Health informatics analyst

NURSING INFORMATICS

Patient facing, with a focus on improving patient safety and quality of care. Connecting computer science, information technology, and nursing.

- **Ensure** EHRs capture information at the point of care accurately and in a standardized format.
- **Manage** interpret, and communicate data to improve clinical practice.
- **Integrate** ICD-10 into systems.
- **Develop** efficient clinical workflow to see and address gaps in health care delivery system.
- **Understand** hospital and patient needs as well as business and IT needs.
- **Support** continuity and quality of care across caregivers.

**JOB TITLES:**
- Chief nursing informatics officer
- Clinical informatics analyst
- Informatics nurse specialist
- Clinical workflow analyst
- Systems analyst
WHY CAPELLA?
CAPELLA OFFERS

• Degree programs aligned to industry standards
• Hands-on learning experiences
• Up-to-date curriculum and knowledgeable faculty who work in the field
• The most direct path to your goals
• Opportunities to make your education more affordable

INFORMATICS PROGRAMS

NURSING OPTIONS

• MSN, Nursing Informatics
• RN-to-MSN, Nursing Informatics
• Post-Baccalaureate Certificate in Nursing Informatics

HEALTH ADMINISTRATION OPTIONS

• MHA, Health Care Informatics
• Post-Baccalaureate Certificate in Health Care Informatics
PROFESSIONALLY ALIGNED: NURSING

Capella’s CCNE-accredited* MSN and RN-to-MSN in Nursing Informatics, along with the Post-Baccalaureate Certificate in Nursing Informatics, are aligned to American Association of Colleges of Nursing (AACN) Essentials, Quality and Safety Education for Nurses (QSEN) competencies, and Technology Informatics Guiding Education Reform (TIGER) Initiative Informatics competencies. These programs are also aligned with the American Nurses Credentialing Center (ANCC) Nursing Informatics guidelines and resources, which will prepare graduates to sit for the RN-BC Nursing Informatics board certification exam upon completing your Nursing Informatics program at Capella, provided that additional eligibility requirements, such as practice experience, are satisfied.

If you already hold the ANCC Informatics Nursing credential, you can earn up to 8 credits (2 courses) through credit for prior learning.

SAVING YOU UP TO
6 MONTHS + MORE THAN $3,000

* The BSN, MSN, and DNP degree programs at Capella University are accredited by the Commission on Collegiate Nursing Education (http://www.aacn.nche.edu/ccne-accreditation).
PROFESSIONALLY ALIGNED: HEALTH CARE

Capella University is a Healthcare Information and Management Systems Society (HIMSS) Academic Organizational Affiliate, which is a program designed to help healthcare providers and academic organizations offer their staff and students all of the resources they need to succeed at their jobs and in the industry.

Capella’s MHA in Health Care Informatics courses are aligned with the National Center for Health Care Leadership (NCHL) HIMSS standards, ensuring your education meets the top standards in health care.

If you hold the Certified Professional in Healthcare Information & Management Systems (CPHIMS) certification, you can earn up to 12 credits (3 courses) through credit for prior learning.

SAVING YOU UP TO 9 MONTHS + MORE THAN $5,700
HANDS-ON LEARNING

Our informatics programs give you access to Vila Health™, an immersive, simulated system of health. This virtual lab—available only at Capella—allows you to practice real-world informatics situations and challenges, including:

- Interoperability
- Clinical workflow
- Meaningful use
- Population health

With Vila Health™, you’ll gain authentic experience working with the various interdisciplinary roles required in a real-world informatics position.
Capella’s informatics curriculum was developed around the latest standards in nursing and health care informatics to ensure you’ll gain the most relevant skills and knowledge you need to succeed in the field.

Plus, each faculty member holds a doctoral degree—and has great knowledge and leadership experience from working in the informatics industry.

“These courses have been specifically designed to give you the tools, skills, and confidence to go out there and meet the expectations employers are looking for.”

– Douglas Bird, PhD | Adjunct Faculty

“Almost anyone going into health administration is going to need to have an understanding of health informatics.”

– Chris Miller, DHSc | Adjunct Faculty
DIRECT PATH TO YOUR GOALS

Capella’s informatics programs are focused on the skills and knowledge you need to succeed, and are designed to put you on a direct path to your goals.

In both the MSN and MHA, you also have the opportunity to earn a Post-Baccalaureate Certificate along the way to your degree—allowing you to earn a marketable credential in as little as 9 months.

In addition, our informatics courses are focused on real-world application to ensure you’ll gain skills and knowledge you can immediately apply to your career—so you can start making an impact right away.
AFFORDABILITY  Capella offers a variety of ways to make your degree more affordable.

SCHOLARSHIPS
Capella frequently offers scholarship opportunities for new students to save thousands on their degree.

EMPLOYER AND ASSOCIATION DISCOUNTS
Tuition discounts from Capella-affiliated employers, colleges, and professional associations can make your degree more affordable.

CREDIT FOR PRIOR LEARNING
To recognize what you’ve previously accomplished, Capella lets you earn credit from prior learning and knowledge gained from professional certifications—including the ANCC Nursing Informatics board certification and CPHIMS certification.
RESOURCES

CAPELLA RESOURCES

Explore Capella’s informatics programs
Demo the Vila Health™ virtual lab environment
Calculate your costs and graduation date
Online learning at Capella
Scholarships for new students
Try a Capella trail course
Learn more about Capella

INDUSTRY RESOURCES

American Nurses Credentialing Center (ANCC) RN-BC Nursing Informatics certification
Certified Professional in Healthcare Information & Management Systems (CPHIMS)
EHR Incentive Programs
Health Information and Management Systems Society (HIMSS)
Meaningful use
ICD-10