



HEALTHCARE ANALYTICS

SPECIALIZED STUDIES PROGRAM - ONLINE

The Healthcare Analytics specialized studies program is ideal for professionals who want to pursue or advance their career. The program is designed for both healthcare and information technology professionals looking to learn research and analytical skills to collect, organize, and visualize data in order to change the healthcare landscape. Using data analytics in a healthcare setting can improve patient outcomes, lower costs, improve the quality of care, enhance health delivery system performance, and optimize business operations.

Learn health informatics and advanced analytics. Discover data assets, strategy, acquisition and management. Develop data mining applications for healthcare. Visualize, analyze, and provide healthcare delivery solutions. Study precision medicine and disease prevention based on an individual's genes, environment, and lifestyle. Additional topics include population health management, security and privacy, data governance, and digital health.

Offered in partnership with:

UCI Institute for Clinical and
Translational Science

UCI Population Health and
Disease Prevention

ce.uci.edu/healthcareanalytics

WHO SHOULD ENROLL

- Healthcare and hospital executives, chief medical officers (CMO's) and administrators
- Medical professionals including physicians, nurses, clinicians and healthcare consultants
- Healthcare professionals in hospitals, medical groups, clinics and community care centers
- Data analysts, medical informatics analysts and technical professionals
- Health science, public health, pharma and life science providers
- Public health, nursing, biology, informatics and other related majors seeking careers in healthcare analytics

PROGRAM BENEFITS

- Make the connection between business goals and data analytics, including data strategy and data governance
- Utilize appropriate tools and techniques to analyze and interpret healthcare data effectively
- Explain how to use health data to improve quality and safety of patient care outcomes
- Define the core competencies for health informatics and analytics professionals
- Describe the process of health care data analytics and the tools used in each step
- Explain the general functions, purposes, and benefits of health informatics and analytics in various healthcare and medical settings
- Evaluate the role of usability in the adoption of electronic health records
- Describe how health data is used to improve population health, and the evolution of population health from payer to provider

CAREER INSIGHT

Average annual salary
for digital health professionals:

\$109,610

Source: 2018 HIMSS U.S. Compensation Survey

CERTIFICATE ELIGIBILITY AND REQUIREMENTS

A specialized studies certificate is awarded upon completion of any 4 courses (8 credit units) with a grade of "C" or better in each course. To receive the certificate after completing all program requirements, students must submit a Request for Certificate. All requirements must be completed within 5 years after the student enrolls in his/her first course. Students not pursuing a specialized studies award are welcome to take as many individual courses as they wish.

PROGRAM FEES

Actual fees may differ from the estimate below. Fees are subject to change without prior notice.

Course Fees (8 required units)	\$3,000
Candidacy Fee	\$35
Textbooks	\$165
Total Estimated Cost	\$3,200

TO ENROLL

Visit ce.uci.edu/healthcareanalytics for full course descriptions, instructor biographies, and enrollment information.

FOR MORE INFORMATION:

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HEALTHCARE ANALYTICS SPECIALIZED STUDIES PROGRAM

COURSES (choose a minimum of 4 courses)

UNITS

PUBHLTH X400	Healthcare Analytics	2.5
PUBHLTH X400.01	Data Assets and Data Strategy	2.5
PUBHLTH X400.02	Healthcare Data Acquisition and Management	2.5
PUBHLTH X400.03	Data Mining: Application for Healthcare	2.5
PUBHLTH X400.04	Visualization, Decision Analysis and Solution Delivery in Healthcare Analytics	2.5
PUBHLTH X400.05	Precision Medicine	2.5