Bachelor of Science in Health Care Administration

Option in Healthcare Data Analytics

(This new degree option was approved by the CSULB Academic Senate on March 28, 2024, approved by the President on April 11, 2024.)

Option in Healthcare Data Analytics

The Bachelor of Science in Health Care Administration, Option in Healthcare Data Analytics is designed to provide students with the advanced and highly sought-after expertise needed in the field of health care administration. This program focuses on enhancing the academic development and training of health professionals to provide special data analytics and health informatics knowledge and skills. Students will complete five comprehensive courses for a total of 15 units. Students will learn to perform end-to-end exploratory data analysis (EDA), database management queries, storytelling using various data visualizations and how to tie these concepts together by modeling data-fueled solutions to realistic health system challenges. This program incorporates a thorough overview of data analytics in healthcare that prepares future health professionals who wish to develop expertise or specialization to work in data science.

Admission Requirements

Admission decisions are based on the following requirements:
- Pre-requisites for degree – to be considered for admission to the major, applicants must demonstrate completion of ECON 101, ACCT 201 and one of the following courses:
  - SOC 170 or STAT 108 or STAT 118 or PSY 110 or HDEV 190
- An overall grade point average of 2.5 or higher is required for entrance into the program. A minimum grade of "C" is required for each prerequisite course.

Degree Requirements

Take all of the following courses:

- HCA 300, The Health Care System
- HCA 312, Health Personnel Management
- HCA 327, Medical Billing & Coding
- HCA 340, Legal Aspects of HCA
- HCA 341, Financial Management of Healthcare Institutions
- HCA 353, Marketing for Health System Organizations
- HCA 410, Health Management & Organization
- HCA 416, Management Information Systems
- HCA 417: Technology, Ethics and Society
- HCA 428, Population Health Management for HCA
- HCA 450, Quality Assurance in Healthcare

- HCA 465, Analysis & Evaluation of Healthcare System
- HCA 468, Principles of Risk Management & Patient Safety
- HCA 480, Internship in HCA
- HCA 481, Internship & Career in HCA

ELECTIVE: (Must take 9 units from the following courses)

- HCA 320, Operation Management in Health Administration
- HCA 419, Healthcare Database Management
- HCA 420, Healthcare Data Visualization
- HCA 421, Healthcare Data Analytics Capstone

EFFECTIVE: Fall 2025

Academic Plan Code: HCA_BS03U1 (Concentration Code: 02)

Healthcare Data Analytics CIP: 11.0104

Healthcare Data Analytics CSU Code: 07020

Career: Undergraduate

College: 15, College of Health and Human Services

Department: Health Care Management

Delivery: Hybrid

STEM Eligible