

# Healthcare Business Analytics (HCBA)

Elizabeth Keiffer  
Interim Program Director  
Business Building  
ekeiffer@walton.uark.edu

Susan Bristow  
Associate Director  
Business Building  
sbristow@walton.uark.edu

## Degrees Conferred:

Master of Healthcare Business Analytics (HCBAMA)

The Master of Healthcare Business Analytics (M.H.B.A.) degree is a professional 30-hour degree focusing on business analytics applications in the healthcare industry and healthcare analytics applications. The curriculum addresses barriers and facilitators to adoption of new procedures in the healthcare environment, as well as how analytics can achieve modern healthcare system goals: high-quality, responsive, affordable, and efficient care.

Healthcare systems capture enormous amounts of information (such as electronic health records, billing information, patient wait times, supply records) as well as more novel forms of data (such as chronic disease monitoring and radio-frequency identification tracking). Managerial issues include how to influence electronic data users to employ analytics consistently for improving healthcare delivery, managing the reporting and sharing of data, and leveraging data and resources to improve health at a manageable cost.

This degree program is designed to provide professional preparation for positions in healthcare business, government, and public service. Sufficient flexibility is provided to meet the needs of students with various backgrounds and foster lifelong learning and innovation.

## Requirements for M.H.B.A. in Healthcare Business Analytics

**Admission Requirements:** [Students must apply to and meet the admission requirements of the Graduate School of Business and be admitted by the departmental admissions committee.](#)

### Requirements for the Master of Healthcare Business Analytics

**Degree:** Students whose previous studies have fulfilled requirements of the common body of knowledge in business and analytics will be required to complete a minimum of 30 hours of graduate work. The required common body of knowledge for the Healthcare Business Analytics degree includes fundamental business and economics concepts as well as fundamental knowledge of statistics. The M.H.B.A. program considers work experience an integral part of the curriculum and recommends that students work/intern for up to one year in a position (or positions) which allow for the practical application of the theoretical principles taught in courses.

Students will have the ability to apply healthcare business analytics, machine learning methods, prescriptive models, and computing to identify, assess, and seize the opportunity for data-driven value creation in the private and public sectors. The Master of Healthcare Business Analytics

Degree is a non-thesis degree program. The comprehensive exam will be a component of ISYS 5990V Practicum Seminar .

Students who hold non-immigrant status in the United States in the F-1 or J-1 categories are responsible for coordinating any necessary authorization for employment with the Office of International Students and Scholars (ISS). F-1 and J-1 students are strongly advised to discuss training options with the M.H.B.A. Program Director and the ISS office early in their program, and to make themselves aware of limitations and restrictions related to F-1 or J-1 employment authorization benefits.

### Core Courses (24 hours)

ESRM 53003	Healthcare Analytics Fundamentals	3
ISYS 55003	Decision Support and Analytics	3
ESRM 58203	Healthcare Business Analytics I	3
ISYS 58303	Data Management Systems	3
ISYS 58403	Seminar in Business Intelligence and Knowledge Management	3
ESRM 58503	Healthcare Business Analytics II	3
ISYS 5990V	Practicum Seminar	6

### Select 6 hours from the following: 6

ESRM 64203	Multiple Regression Techniques for Education	
PBHL 55603	Public Health: Practices and Planning	
STAT 53133	Regression Analysis	
ISYS 52103	ERP Fundamentals	
ISYS 50103	Data and Cybersecurity	
ISYS 50203	Data and System Security	
ISYS 50403	Cybersecurity, Crime, and Data Privacy Law I	
ISYS 51703	Blockchain Fundamentals	
ISYS 5350V	Internship Experience	
MKTG 55203	Marketing Analytics	
SCMT 56903	Supply Chain Performance Management and Analytics	
STAT 53533	Methods of Multivariate Analysis	

**Total Hours 30**

## Health Care Business Analytics Graduate Certificate

**Admission Requirements:** The Graduate Certificate credential is a part-time credential open to individuals with backgrounds in any discipline. Students must apply for the Graduate Certificate credential and be admitted to the Graduate School of Business; the GMAT/ GRE requirement is waived for the Graduate Certificate credential. (Students who have earned a GPA of 3.5 or better upon completion of the Graduate Certificate and subsequently apply to the part-time Master of Healthcare Business Analytics and Master of Applied Business Analytics programs will not be required to submit a test score). Information regarding Graduate School of Business admission requirements (<http://catalog.uark.edu/graduatecatalog/business/>) can be found earlier in this chapter.

Students who hold non-immigrant status in the United States in the F-1 or J-1 categories are responsible for coordinating any necessary authorization for employment with the Office of International Students and Scholars (ISS). F-1 and J-1 students are strongly advised to discuss training options with the Certificate Program Director and the ISS office

early in their program, and to make themselves aware of limitations and restrictions related to F-1 or J-1 employment authorization benefits.

**Required Courses (9 hours)**

ESRM 53003	Healthcare Analytics Fundamentals	3
ISYS 55003	Decision Support and Analytics	3
ESRM 58203	Healthcare Business Analytics I	3

**Select 3 hours from the following: 3**

ISYS 58303	Data Management Systems	
ISYS 58403	Seminar in Business Intelligence and Knowledge Management	
ESRM 58503	Healthcare Business Analytics II	

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**Total Hours 12**