DATA ANALYTICS IN HEALTH CARE, GRADUATE CERTIFICATE

Program Description

Data analytics is the process of acquiring, extracting, integrating, transforming, and modeling data with the goal of deriving useful information. Its application is growing rapidly in health care organizations across the globe. Data Analytics in Health Care enables the systematic use of data to drive fact-based decision-making to assist in health care planning, management and measurement. However, many organizations lack the knowledge to effectively utilize data analytics. As a result, health care big data analytics and informatics skills are among the most sought-after competencies for health information management professionals.

The Marshall University Data Analytics in Health Care certificate is designed to provide health care professionals with the skills required to compete for data analysis jobs amid rising demand in the health care industry. The certificate program will explore the intricacies of data analytics and expose students to various topics related to data processing, integration, analysis, and visualization. Individuals who complete this program will have a solid framework of data analytics methodologies accompanied by exposure to the tools used for knowledge discovery pertinent to health care.

The certificate is intended for students who are interested in transforming the massive data being produced in the health care industry into meaningful information. They are the individuals who want to determine what decisions or actions should be taken to generate value from the healthcare data produced every day.

Admission Requirements

Applicants should follow the admissions process described in the Graduate Catalog, or at the Graduate Admissions website at www.marshall.edu/graduate/admissions/how-to-apply-for-admission (http://www.marshall.edu/graduate/admissions/how-to-apply-for%C2%AD-admission/). (Submit all materials to the Graduate Admissions Office.) Students must have an undergraduate Grade Point Average (GPA) of 2.5 or higher on a 4.0 scale from their undergraduate degree-granting institution.

Course Requirements

Students must take the following courses:

Code	Title	Credit Hours
HCA 600	The Health Care System	3
MIS 678	Management Infor Systems	3
Choose any 12 credit hours from the remaining required courses in the MS Health Informatics degree program		12
Total Credit Hours		**18**

Courses in this certificate program can also be applied to a master's degree in health informatics.