Business Intelligence Master of Science

Degree Type
Master of Science
Environment
online
Program Length
48 weeks
Overview
The Business Intelligence master of science degree program prepares students for careers in Big Data, including business analysts, data warehouse administrators, and consultants. Business Intelligence master of science students receive graduate-level instruction that develops the technical, business, and analytic competencies necessary to inform effective organizational decision-making. Graduate courses in data management, qualitative analysis, and business intelligence technologies introduce core knowledge and skills through a series of interconnected learning experiences. Students further develop key technical and analytical skills in courses that address topics such as data mining methodologies, pattern recognition and analysis, and process modeling. As they complete the program, students will refine their critical thinking and communication skills by examining a variety of real-world business challenges, through advanced lessons in data visualization, creative reporting, case studies, project management, and leadership development. Each course will develop the student's academic research skills, tools, and methodologies as students learn how to utilize academic research for a variety of contexts and learning activities. Throughout the program, students will develop their capstone thesis project focusing on building a data warehouse, which they will deliver in the final month of the degree.
Objective
Master's Objective Today's businesses have access to a vast amount of information that can be utilized to improve their products and services, make their companies run more effectively, and transform their business. As such, utilizing Big Data to make informed business decisions is a rapidly growing trend for businesses around the world. The objective of the Business Intelligence master of science degree program is to prepare students to collect, manage, prepare, analyze, interpret, and transform information into insightful stories for the improvement of specific business processes and to inform business leaders' decisions. This goal will be accomplished by providing students with the knowledge, skills, and abilities necessary to effectively utilize data for the improvement of business results. It will also be accomplished through project-based learning activities and guided academic research applications, which will enable students to use the appropriate tools and technologies for data management, analysis, visualization, and communication.

Month 1

Month 1

Code	Title	Credit Hours
MDL501	Mastery: Personal Development and Leadership	3.0

Month 2

Month 2

Code	Title	Credit Hours
BIN520	Foundations of Business Intelligence	3.0

Month 3

Month 3

Code	Title	Credit Hours
BIN530	Enterprise Data Management	3.0

Month 4

Month 4

Code	Title	Credit Hours
BIN550	Business Intelligence Technologies	3.0

Month 5

Month 5

Code	Title	Credit Hours
BIN630	Data Visualization and Creative Reporting	3.0

Month 6

Month 6

Code	Title	Credit Hours
BIN560	Business Intelligence Analytics	3.0

Month 7

Month 7

Code	Title	Credit Hours
BIN580	Data Mining	3.0

Month 8

Month 8

Code	Title	Credit Hours
BIN610	Patterns and Recognition	3.0

Month 9

Month 9

Code	Title	Credit Hours
BIN620	Process Modeling and Analysis	3.0

Month 10

Month 10

Code	Title	Credit Hours
BIN650	Business Intelligence Leadership and Communication Skills	3.0

Month 11

Month 11

Code	Title	Credit Hours
BIN660	Business Intelligence Case Studies	3.0

Month 12

Month 12

Code	Title	Credit Hours
BIN680	Business Intelligence Capstone	3.0
	Total Credit Hours	**36**