BUSINESS ANALYTICS, M.S. (ONLINE)

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Overview

The Master of Science in Business Analytics (Online Program - OMSBA) is a cross-disciplinary, online STEM degree designed to provide graduates with the knowledge and skills to leverage analytics tools that assist businesses to overcome data-related challenges. This program has an intentional focus on ethical uses of data and analytical techniques that will benefit almost every sector of business, technology, health and medicine, public policy, and government.

Working professionals or full-time students can complete their MSBA Online in as little as one year with 36 credit hours. The MSBA Online offers the same acclaimed faculty and education as on campus experiences and provides multiple opportunities for students to immediately apply classroom material in real-world situations.

Pre-requisites

Prerequisites for admission include:

- Minimum 3 hours of statistics coursework
- Introduction to Python Programming[1]

[1] Applicants must possess a "working knowledge" of Python programming. This can come from classes taken while earning a degree or from practical work experience using Python. Additionally, students can enroll in a non-credit-bearing continuing education course or a professional development course. One such example would be Learning Python on LinkedIn.

Curriculum

Code	Title	Hours
Required Courses		
STA 5300	Statistical Methods	3
STA 5303	Applied Regression Analysis	3
STA 5320	Predictive Analytics	3
STA 5373	Computational Statistical Methods	3
STA 5384	Multivariate Statistical Methods	3
STA 5V85	Practice in Statistics	3
MIS 5322	Advanced Python for Analytics	3
MIS 5340	Database Management Systems	3
MIS 5342	Business Intelligence	3
MIS 5343	Seminar in Data Visualization	3
MIS 5390	Ethics in Data Analytics	3
MIS 5V98	Special Studies in Information Systems	3
Total Hours		**36**