

MASTER OF SCIENCE IN BUSINESS ANALYTICS

MG 635	Negotiating
MG 645	Leading Change

Curriculum

Course	Title	Credits
Pre-Program Foundation Courses (3 credits)		
Students with the appropriate background may be waived from the following course:		
GR 521	Managerial Statistics	3
Program Requirements (30 credits)		
Required Analytics Courses (21 credits)		
CS 605	Data Management and SQL for Analytics	3
IPM 652	Managing with Analytics	3
MA 610	Optimization and Simulation for Business Decisions	3
MA 611	Time Series Analysis	3
MA 710	Data Mining	3
ST 625	Quantitative Analysis for Business	3
ST 635	Intermediate Statistical Modeling for Business	3
Electives (9 credits)		
Select any four courses from the following electives or, with permission from the MSBA program director, any 600-level or higher elective.		12
ST 701	Internship in Business Data Analysis	
CS 603	Object-Oriented Application Development	
MA 705	Data Science	
MA 706	Design of Experiments for Business	
CS 612	Web-Based Application Development	
CS 650	Data Management Architectures	
CS 753	Business Intelligence Methods and Technologies	
EC 611	The Macroeconomics of Financial Markets	
EC 631	Market Structure and Firm Strategy	
FI 623	Investments	
FI 635	Fixed Income Valuation and Strategies	
FI 640	Equity Valuation	
FI 645	Derivatives	
GR 602	Business Process Management	
HF 730	Visualizing Information	
IPM 652	Managing with Analytics	
IPM 723	Information Security, Controls and Ethics	
IPM 755	Special Topics in Information and Process Management	
MK 711	Marketing Research and Analysis	
MK 725	E-Marketing	
MK 726	Customer Data Analysis and Relationship Marketing	
MK 758	Enhancing Creativity	
GR 603	Leading Responsibly (with Program Director Permission)	
MG 632	Leading Effective Work Teams	