MS in Business Analytics/MS in Management Information Systems

Admission Requirements

Applicants must meet the admission criteria of both programs and are admitted separately to each through separate applications.

Degree Requirements

In addition to the Graduate College minimum requirements, students must meet the following program requirements:

- **Minimum Semester Hours Required** 56.
- **Coursework** Depending on their background, students may be required to take additional technical, business, and other background courses as part of the degrees' requirements.

Code	Title	Hours
Required Course—Both Degrees (4 hours)		
IDS 521	Advanced Database Management	
Required Courses and Capstone—MS in Business Analytics (12 hours)		
IDS 560	Analytics Strategy and Practice	
IDS 572	Data Mining for Business	
IDS 575	Machine Learning and Statistical Methods for Business Analytics	
Required Courses and Capstone—MS in Management Information Systems (16 hours)		
IDS 517	Enterprise Application Development	
IDS 520	Enterprise Information Infrastructure Planning & Security	
Select one of the following IS Management courses:		
IDS 515	Information Systems Strategy and Policy	
IDS 534 & IDS 535	Project Management and Vendor Management	
IDS 542	Global Innovation Management	
Select one of the following Capstone Project Experience courses:		
IDS 507	Advanced Systems Analysis and Design Project	
IDS 508	E-Commerce Project	
IDS 596	Independent Study in Information and Decision Sciences	
Electives—MS in Business Analytics (12 hours)		
Select 12 hours from among the following analytics electives. Based on the student's background and interests, other analytics-related courses may be taken with the advice and approval of the director of graduate studies.		
IDS 435	Optimization for Analytics	
IDS 561	Analytics for Big Data	
IDS 564	Social Media and Network Analysis	
IDS 566	Advanced Text Analytics for Business	
IDS 567	Business Data Visualization	
IDS 576	Deep Learning and Modern Applications	
IDS 594	Special Topics in Information and Decision Sciences	
Electives—MS in Management Information Systems (12 hours)		
With the approval of the director of graduate studies, select three 4-hour courses. Of these, 4 hours may be electives from the list above. Courses from other departments and colleges may be taken as electives with the approval of the director of graduate studies. These courses may be selected to fit career tracks in IS Consulting, Auditing and Forensics, Corporate IS Management, Supply Chain and Service Operations, Enterprise Applications or IS Operations.		