

# 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.
- **Course Work** Depending on their background, students may be required to take additional technical, business, and other background courses as part of the degrees' requirements.

### Course Title

#### Required Course—Both Degrees (4 hours)

IDS 521	Advanced Database Management
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#### Required Courses and Capstone—MS in Business Analytics (12 hours)

IDS 560	Analytics Strategy and Practice
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IDS 572	Data Mining for Business
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IDS 575	Statistical Models and Methods for Business Analytics
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#### Required Courses and Capstone—MS in Management Information Systems (16 hours)

IDS 517	Enterprise Application Development
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IDS 520	Enterprise Information Infrastructure Planning & Security
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Select one of the following IS Management courses:

IDS 514	Management of Information Systems
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IDS 515	Information Systems Strategy and Policy
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IDS 523	Audit and Control of Information Systems
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Select one of the following Capstone Project Experience courses:

IDS 507	Advanced Systems Analysis and Design Project
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IDS 508	E-Commerce Project
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IDS 596	Independent Study in Information and Decision Sciences
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#### 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 Models and Methods
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IDS 561	Analytics for Big Data
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IDS 564	Social Media and Network Analysis
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IDS 566	Advanced Text Analytics for Business
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IDS 567	Business Data Visualization
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IDS 576	Advanced Predictive Models and Applications for Business Analytics
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IDS 594	Special Topics in Information and Decision Sciences
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#### 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.