Master of Science in Information Systems

Program Overview

The MS in Information Systems prepares students for technical and managerial jobs in the field of information systems. The skills and competencies developed in this program prepares graduates for technical positions such as systems analyst, information architect, database administrator or the managerial position of chief information officer, project manager or webmaster.

In the online Master of Science in Information Systems, the successful graduate will demonstrate the ability to:

- Analyze and manage the full development life cycle for information systems projects,
- Assist, advise and educate people who lack the technical knowledge to identify and solve problems within a selected application domain,
- Identify, assess and manage the resources that sustain an organization's technical infrastructure,
- Assess and manage the strategic alignment of the information services organization using corporate strategy and objectives,
- Use quantitative evaluation techniques with large datasets to analyze organizational questions,
- Identify, analyze and solve problems within a selected application domain (e.g. healthcare, education, manufacturing).

Requirements

Core Curriculum:

IS 500	Collaboration, Teamwork, and Ethics	3
IS 501	Statistical Concepts	3
IS 502	Data Analytics Methods	3
IS 503	Information System Analysis and Design	3
IS 504	Executive Leadership for Information Systems	3
IS 505	Governance, Risks, & Controls	3
Total Cr.		18

Business Intelligence Concentration:

IS 510	Introduction to Business Intelligence	3
IS 511	Enterprise Data Management	3
IS 512	Data Visualization	3
IS 520	Predictive Analytical Models	3
IS 570	Information Systems Capstone	3
Total Cr.		15

Data Analytics Concentration:

IS 520	Predictive Analytical Models	3
IS 521	Big Data Processing and Cloud Services	3
IS 512	Data Visualization	3
IS 522	Business Decision Models	3
IS 570	Information Systems Capstone	3
Total Cr.		15

Faculty

Faculty Member	Institution at which highest degree was earned
Michael Battig, PhD, Program Director	Mississippi State University