

Master of Science in Information Systems

Department of Computer Science and Information Systems

Program Overview

The Master of Science in Information Systems (MSIS) program prepares individuals for management careers in the vast and growing field of information systems. The program is offered 100% online or on campus.

Graduates are ready for careers in software development, information management, data analysis, information security, information systems architecture, system planning, business analytics, SAP ERP, and many more.

The MSIS degree program is accredited by the world's largest business education alliance, AACSB International (AACSB), which connects educators, students, and business to achieve a common goal: to create the next generation of great leaders.



Learning Goals

- Core IS Knowledge
- Integration of IS and Business Knowledge
- Analytical and Critical Thinking Skills
- Communication and Team Skills



Career Options

- Business Analytics
- Information Security
- Software Development
- College-level Teaching
- Project Management
- Consulting



Admission Criteria

- Bachelor's Degree from an accredited university
- GPA of 3.00 or higher and 288 GRE (or 490 GMAT) with no more than 3 failing grades from undergraduate work

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MURRAY STATE
UNIVERSITY

Arthur J. Bauernfeind College of Business

Information Systems Core Course Requirements

- CIS 601 Telecommunications Principles
- CIS 603 Telecommunications Project Management
- CIS 609 Data Management
- CIS 645 Decision Support and Expert Systems
- CIS 648 Enterprise Resource Planning
- CIS 650 Software Development
- CIS 688 Graduate Internship in Information Systems
or
- CIS 695 Comprehensive Project in Computer Information Systems

i Student career path and concentration will determine elective courses (nine hours to be approved by advisor).

Business Analytics Electives

- CIS 343 Business Statistics II (Foundation course, if lacking)
- CIS 643 Advanced Business Analytics
- CIS 653 Introduction to Business Analytics
- CIS 663 Developing Analytics Applications

Information Security Electives

- TSM 615 Information System Security
- TSM 625 Information Security Risk Management
- TSM 630 Telecommunications Legal Environment

Graduate Success

“A great program with a lot of hands-on work that’ll help during your job. All the course material covered is relevant and current to the IT industry.” — **Sagar Dhekne, Database Analyst, Cronos CCS (2011)**

“Career laddering often combines an education level and an experience level. I don’t have to have as many years work experience to be eligible for the more senior, better paying roles because of my master’s degree.”
— **Andy Hill, Senior Software Engineer, Planet.com (2011)**

“The MSIS program at Murray State University (MSU) has surpassed my expectations... MSU pushed me as an individual and allowed my capabilities to carry me, while their supportive faculty helped guide me.”
— **Setu Parimi, Cloud Security Architect, Crum & Forster (2016)**

“The professors care very much about your well-being and are always there to help you when you need it. You will not regret your decision one bit.” — **Anjan Kashyab, Director of Business Operations, An Island, LLC (2017)**