



SCHOOL OF ENGINEERING AND COMPUTING

MASTER OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS

Lead the Way in Technology and Information Management

The Master of Science in Management Information Systems (MSMIS) program provides the management, business, strategic, and technical skills you'll need to apply information systems technology efficiently and effectively. The program focuses on building a foundation in MSMIS and includes oral, written, and presentation skills as well as technical skills, people and business skills, ethics, and professionalism. You'll develop abilities in analytical and critical thinking and learn project management strategies and solutions for information system processes.

The program is designed to give you needed expertise in information systems regardless of your educational background. You'll learn to evaluate current and emerging systems and distributed computing alternatives with an eye towards efficiency and the higher goals of your organization.

Program highlights:

- Entire program can be completed online
- Perform systems analyses that meet the needs of your organization
- Create decision support system solutions that include knowledge-based systems, expert systems, and artificial intelligence
- Grasp the managerial principles and applications behind networking and telecommunications
- Develop the strong written and oral skills needed to advise organizations as a respected IS professional
- Integrate the legal, ethical, and global implications of information management processes

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**NATIONAL
UNIVERSITY**

MASTER OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS

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The Master of Science in Management Information Systems (MSMIS) program is designed to provide students with the requisite management, business, strategic, and technical skills needed to help them apply information systems technology more efficiently and effectively. The MSMIS program's objective is to close this gap by providing the needed education and career development foundations, including oral, written, and presentation skills; technical skills; people and business skills; and ethics and professionalism, which are integrated throughout its individual courses. The curriculum is designed as a set of interrelated building blocks consisting of foundations, core, integration, and career tracks.

Admission Requirements

Candidates seeking admission to the program must possess a baccalaureate degree. This program is designed to offer information systems expertise to those from various education backgrounds. Enrolling students must have an undergraduate degree in information systems, information technology, computer science, software engineering, business or must have approval of the Academic Program Director and have some background in business and technology.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Use analytical and critical thinking skills to develop organizational project management strategies and strategic solutions for information system processes.
- Perform systems analysis that addresses requirements among information systems technology, people and organizational goals.
- Evaluate current and emerging systems integration and distributed computing alternatives to maximize efficiencies and meet organizational goals.
- Develop decision support system solutions inclusive of knowledge-based systems, expert systems and artificial intelligence.
- Illustrate managerial principles and applications of networking and telecommunications.
- Communicate and advise organizations using written and oral skills required for IS professionals.
- Integrate legal, ethical, and global implications in decision making processes.

Degree Requirements

To receive a Master of Science in Management Information Systems, student must complete 54 quarter units of graduate coursework. A total of 13.5 quarter units of graduate work completed at another regionally accredited institution may be transferred to meet stated requirements in the program provided those units were not used in earning another advanced degree. The degree program consists of ten courses plus the two-part MSMIS graduate project (two courses; 4.5 quarter units each) that cannot be taken until all other core courses have been completed or by approval of the Academic Program Director.

Core Requirements

(12 courses; 54 quarter units)

CIS 601	Information Systems Strategies
CIS 602	Network Services & Protocols <i>Prerequisite: CIS 601</i>
CSC 675	Database Design and Impl. <i>Prerequisite: CSC 600; CSC 600 course prerequisite is not required for students registered for MSMIS program</i>
CIS 604	Management and Security <i>Prerequisite: CIS 601</i>
MGT 604	Project and Program Management
BIM 606	Info Mgmt. for Leaders
BIM 600	Human-Computer Interaction
BIM 610	Strategic Decision Systems
TMG 625	Systems Analysis and Design
CIS 607	Systems Integration <i>Prerequisite: CIS 601</i>
CIS 620A	Master's Research Project I <i>Prerequisite: All core requirements with a GPA of 3.0 approval of lead faculty.</i>
CIS 620B	Master's Research Project II <i>Prerequisite: CIS 620A</i>