Management Information Systems

Contact Information

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- Graduate Certificate in Business Analytics
- Graduate Certificate in Business Applications of Artificial Intelligence
- Graduate Certificate in Business Process Management
- Graduate Certificate in IT Project Management

Department Goals and Objectives

After completing the Master of Science degree in Management Information Systems, graduates will be able to demonstrate:

- A core of information systems management and technology knowledge.
- Ability to integrate information systems and business foundations knowledge.
- Communication, interpersonal, and teamwork skills.
- Analytical and critical thinking skills.

The Master's Degree

The Management Information Systems degree is designed to provide the professional administrator/manager a balance between technical expertise and organizational knowledge in everything from the application of information technology to solving business problems. The M.S. degree in Management Information Systems may be earned online, on campus, or through a combination of online and on-campus courses.

Advising

New students must contact the department for initial advising to plan a program of study that reflects their interests and satisfies degree requirements. Students are also required to access the Degree Audit System throughout their college career to verify that degree requirements are being met.

Communication Skills

Entering students may be required to pass a diagnostic writing examination administered by The Learning Hub. Students with deficiencies in writing may be required to take ENG 309 Professional Writing.

Course Prerequisites

Students enrolled in courses for the online Graduate Accelerated Programs (GAP) must be registered and pay all tuition, fees, and assessments by the program's deadline each semester.

Curricular Practical Training (CPT)

Students may be eligible for CPT and OPT. Please check with your advisor and International Student Services (ISS) for details. MIS 502, MIS 513, MIS 523, MIS 542 , MIS 552, MIS 564, MIS 567, MIS 568, MIS 573, MIS 576, MIS 577, MIS 583, and MIS 584 require a project or internship as part of the class. CPT is available to complete the internship. Students are eligible to apply for a CPT after two consecutive semesters of full-time study toward their M.S. in Management Information Systems; summer does not count as a semester. If the student does not complete the course while they are doing their CPT, they are not eligible for another CPT if they re-take the course. A CPT will be considered a practical internship project as part of the course. Students who elect to do a CPT are required to submit a report to the course instructor at the end of the semester for evaluation as a part of the course. Students who decide on a CPT must enroll full-time (registering for at least three graduate level MIS courses) during the semester they do the CPT, unless they require fewer credit hours to graduate. In addition, students need approval from the International Students Services Office as well as the course instructor of the class the CPT is associated with.

Grading Policy

At least a C- grade is mandatory in all prerequisites to the program.

MIS department majors must maintain at least a 3.0 grade-point average in order to earn an MIS degree. Two successive semesters of probation may lead to a one-year suspension. Only one C or C+ in the Program is acceptable (a grade of C- or lower is not acceptable in the 500-level classes).To earn a M.S. in MIS degree, a minimum grade point average of 3.0 in all graduate level courses taken towards the degree completion is required. The MIS Master's courses are not offered as CR/NC.

A grade of B (3.0) or better is required in either the MIS Exit Exam (MIS 588), Capstone (MIS 584), or in the project course (MIS 583), to graduate (grades of B- or lower will not be accepted).

Students also should refer to the campus policy on Grades Acceptable Toward Master's Degrees section of this catalog.

Program Learning Outcomes

1. Demonstrate a core of information systems management and technology knowledge.

2. Demonstrate ability to integrate information systems and business foundations knowledge.

3. Demonstrate communication, interpersonal, and teamwork skills.

4. Demonstrate analytical and critical thinking skills.

Requirements

Course Core Requirements [1]

MIS 513	Management Information Systems	3
MIS 523	Fundamentals of Business Analytics	3
MIS 542	Management of Database Systems	3
MIS 552	System Analysis And Design	3
MIS 564	Data Communications and Networking	3
MIS 567	Business Process Modeling and IT Governance	3
MIS 573	Project and Change Management	3

MIS 576	Data Mining for Business Analytics	3
Choose one track to complete the degree requirement		**6**
Choice 1: Research Track (Two Courses)		
MIS 577	MIS Design and Research Methods	
MIS 584	Capstone	
or MIS 583	Graduate Project And Seminar	
Choice 2: Practice Track (MIS 588 and Two Courses from the Options Below)		
BUS 528	Supply Chain and Logistics Management	
HCI 513	Introduction to Healthcare Informatics	
HCI 556	Health Information Exchange and Interoperability	
HCI 578	Healthcare Information Systems Security and Privacy	
MIS 524	Programming for Business Applications	
MIS 568	Business Process Management and Process Mining	
MIS 571	Artificial Intelligence for Business Applications	
MIS 577	MIS Design and Research Methods	
MIS 578	Information Security	
MIS 579	Cybersecurity Management	
MIS 581	Compliance and Legal Issues in Cybersecurity	
MIS 591	Digital Forensics	
MIS 592	Penetration Testing and Vulnerability Assessment	
MIS 593	Cybersecurity Policy	
MIS 594	Business Continuity Planning	
One 500 level course approved by department.		
MIS 588	Exit Exam	0
Total Hours		**30**

[1] At least 24 hours of required courses must be completed from MIS at UIS

Master's Closure

Students must complete MIS 583, MIS 584 or MIS 588. The nature of the graduate project is contingent on the individual's career goals and may or may not include a practicum experience. Exit Exams help students assess the body of knowledge they've attained and helps the program revise its curriculum.

Research Track projects may involve, for example, design/analysis of an information system for an existing organizational need; development of one or more databases for a potential organizational need; analysis of managerial needs or uses for information that is accessible in an existing database; or analysis, design, security, and management of networks. If the capstone is not completed during initial enrollment, it must be taken again in each subsequent semester until the capstone is complete. If the project is not completed, students must register for MIS 586 (zero credit hours, one billable hour) in each subsequent semester until the project is complete. Note: students who are working to complete the previously offered thesis option must register for MIS 589 (zero credit hours, one billable hour) in each subsequent semester until the thesis is complete.

Practice Track Exit Exam MIS 588 must be taken during the student's final semester before graduation. If the Exit Exam is not completed in the final semester, students must register for MIS 589 (zero credit hours, one billable hour) in each subsequent semester until the Exit Exam is complete.

UIS policy precludes students who are not registered from using campus resources. If a leave of absence is requested and approved, continuous registration is not required. Failure to obtain a leave of absence will require retroactive registration of one credit hour per semester.

Graduate Certificates

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Online

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