Information Systems

Degree Type
Master of Science (MS)

Admission Requirements

Admissions criteria for Master of Science in Information Systems (MS)

Graduate Admissions - Masters level

Prospective students are required to submit the following:

- Completion of application for admission
- Official transcripts for bachelor or graduate degree within 5 weeks of the class start date (refer to Conditional Acceptance). (All credentials earned outside the United States must be evaluated by a NACES or AICE-member credential evaluation service). Please speak with an admissions representative for more information.

Note: See program notes and specific requirements below for each graduate - masters level degree program

Specific requirements for admission to classified graduate status are:

- A bachelor's degree from an accredited college or university.
- Completion of application for admission.
- A 2.7 overall grade point average or higher on completed requirements for the baccalaureate degree, or an earned graduate degree from an accredited institution with a CGPA of 3.0 or higher.

Master of Science in Information Systems Program

As determined by the Program Director or Chair, students with a non-technical degree or lacking IT-related experience are required to successfully complete MIS5010 Information Technology Infrastructure, with a "C" or better. Students must enroll in the course within the first two quarters of their admission to the University. The course is designed to provide students with a required knowledge base of emerging trends in information systems, how information systems work, and how to manage IT infrastructures.

Required knowledge base or foundational undergraduate course credits do not count towards the total number of credits for graduation nor do they count in the Cumulative Grade Point Average (CGPA); however, they do count in determining the maximum time frame (MTF) and the Incremental Completion Rate (ICR). Student must achieve a "C" or better within three attempts or will be academically dismissed from the University.

For additional admissions information please see the admissions section here.

Program Overview and Outcomes

Offered at Austin, Online Programs, Orlando, Richmond, Tampa, and Virginia Beach.

Note: Not all Online Program offerings are available to residents of all U.S. states. Please contact an admissions representative for further information.

The Master of Science in Information Systems (MSIS) program prepares students for a career or advancement within the Information Systems (IS) profession, or related fields. The program is designed for professionals and continuing students with diverse backgrounds. The MSIS program curriculum focuses on merging business and IS theories while emphasizing practical applications.

The core competencies of the MSIS program covers a wide range of topics, including business intelligence, data management, knowledge acquisition, information technology (IT) governance, service management, IS development and auditing, systems analysis and design, object-oriented enterprise modeling, information security, and risk management.

The program aims to equip students with analytical and critical-thinking skills to identify and solve problems within an interrelated systems context. Students learn to define problems and communicate solutions effectively by using oral, visual, and analytical means, as well as utilizing frameworks such as business cases, service level agreements, use cases, and corporate dashboards.

The MSIS program draws on recognized industry frameworks, best practices, and standards through alignment with certifications established by the Information Systems Audit and Control Association (ISACA®), the Information Technology Infrastructure Library (ITIL®), and the Project Management Institute (PMI®). To aid the academic and professional advancement of students through hands-on experience, the MSIS program incorporates technology resources via the IBM Academic Initiative.

The program emphasizes project-based learning and students perform an IT/IS industry analysis of skills, certifications, technologies, and methodologies required in their targeted careers. This leads to the development of a portfolio of projects, which is vetted by industry experts. This approach is also supported by an elective internship course.

Program Student Learning Outcomes

After completion of the Master of Science in Information Systems, graduates will be able to:

1. Articulate the utilization of Information Systems (IS) resources (people, processes, technology, and data) to support enterprise strategy.
2. Utilize industry standards and guidelines in the analysis and development of IS resources.
3. Analyze the strategic use of IS resources for a project or organizational goal.
4. Practice the use of an Enterprise Architecture methodology through the domains of Business Intelligence, IT Governance, and Systems Development.

Master of Science in Information Systems: 48 Credits

Foundation of Business Courses (Choose 1): 4 Credits

Course Code	Title	Credits
LEA5125	Leadership Ethics, Culture, and Politics	4.0
MBA5001	Organizational Behavior and Communication	4.0
MBA5004	Managerial Economics	4.0
MBA5005	Law and Ethics for Managers	4.0
MBA5008	Quantitative Analysis and Decision Making	4.0

Foundation Information Systems and Technology: 8 Credits

Course Code	Title	Credits
MIS5020	Information Systems Fundamentals	4.0
MIS5030	Emerging Technologies	4.0

Core: 28 Credits

Course Code	Title	Credits
MIS6000	Principles of System Development	4.0
MIS6010	Project Management	4.0
MIS6020	Corporate Information Systems Management	4.0
MIS6210	Decision Support Systems	4.0
MIS6211	Data Management	4.0
MIS6230	IT Audit, Control, and Compliance	4.0
MIS6250	Organizational Information Security	4.0

Elective (Choose 1): 4 Credits

Course Code	Title	Credits
MIS6160	Information Design and Usability	4.0
MIS6161	Human Computer Interaction	4.0
MIS6212	Cognitive Computing	4.0
MIS6231	Risk Management	4.0
MIS6262	Network Operations Management	4.0
MIS6990	Information Systems Internship	4.0

Capstone: 4 Credits

Course Code	Title	Credits
MIS6995	Information Systems Capstone	4.0
	Total Credits	**48**