

MGIS COURSES

Opposite each course title are three numbers such as 3-2-4. The first number indicates the number of regular classroom hours for the course each week; the second number indicates the number of laboratory hours per week; and the third number indicates the hours of credit awarded for the successful completion of the course. Listed in parentheses at the end of each course description is the term(s) that the course is normally offered. F=Fall, S=Spring, and M=Summer.

The college reserves the right to cancel or delete any course with insufficient enrollment.

Courses

MGIS 3351. Principles Mgmt Info Systems. 3-0-3 Units.

Covers essential business aspects of information systems such as networks, databases, the Internet, management reporting, software development, computer hardware, and information ethics. The course also examines the use of information systems for managerial decision-making and for gaining strategic advantage. Students will experience hands-on system activities associated with course concepts.(F, S)
Prerequisites: BUSA 2201, COMM 1110, ENGL 1102, all with a "C" or better.

MGIS 3352. Management Application Prog I. 3-0-3 Units.

Develops a knowledge of language and file structures for computer-based business applications using a major business procedural-oriented programming language. Students will write computer programs on individual and/or team projects.(F)
Prerequisites: BUSA 2201 with a "C" or better.

MGIS 3353. Management Applications Programming II. 3-0-3 Units.

Emphasizes top-down design, structured techniques, testing and modularity. Emphasis placed on development of correct efficient programs that are easy to maintain. Includes problem analysis, problem design, documentation, testing and debugging. Introduces application development using an object-oriented language.(S)
Prerequisites: BUSA 2201 and MGIS 3352, both with a "C" or better.

MGIS 3356. Database Management Systems. 3-0-3 Units.

Focuses on the use of database systems in business to support information systems and decision-making. Topics include database concepts, data modeling, database design and development, administration of database systems, and database technologies. Students will have hands-on experience developing a database application.(F)
Corequisites: MGIS 3351 with a "C" or better.

MGIS 4358. Web-based MIS. 3-0-3 Units.

Examines the process of developing business information systems with a significant web component. Topics include organizational considerations involved in developing and maintaining a web-enhanced MIS, and system considerations such as usability and other human-computer-interaction (HCI) issues, general and database web-design principles, and programming of web-enhanced systems. Students will develop a web site for a real or hypothetical organization. (As needed) ;
Prerequisites: MGIS 3356 with a "C" or better.
Corequisites: MGIS 3353.

MGIS 4360. Databases: Big Data & Analyt. 3-0-3 Units.

Provides an overview of database management systems for big data and analytics. Topics include an overview of analytics and related data requirements, data modeling, data management and an introduction to prominent types of database systems designed to support big data and analytics. Students will have hands-on experience with various database technologies.(S)
Prerequisites: MGIS 3356 with a "C" or better.

MGIS 4580. Supply Chain Management System. 3-0-3 Units.

Covers the major components of supply chain management systems that support major supply chain activities such as planning, sourcing, production, material flow, inventory management, and delivery. Students will have hands-on experience with a commercial-grade supply chain management system.(F)
Prerequisites: LSCM 3251 and MGIS 3351, all with a "C" or better.

MGIS 4700. Independent Study MGIS. 0-0-3 Units.

Supervised, in-depth individual research and study of one or more current topics in MIS in conjunction with an associated major project. Students will be required to prepare a formal report and presentation of the topic research and project. Only available with coordination with MIS faculty.
Prerequisites: MGIS 3351 with a "C" or better.

MGIS 4701. Systems Analysis & Design. 3-0-3 Units.

Examines the process of developing business information systems. Topics include requirements analysis and specification, systems modeling, and systems design techniques. Structured and object-oriented tools and techniques are introduced. A major component of the course is the analysis, design and development of a business system as a term project.(S)
Prerequisites: MGIS 3352 and MGIS 3356 (formerly MGIS 4356), and all with a "C" or better.

MGIS 4800. Special Topics in MIS. 3-0-3 Units.

This special topics course for provides an overview of database management systems for big data and analytics. Topics include an overview of analytics and related data requirements, data modeling, data management and an introduction to prominent types of database systems designed to support big data and analytics. Students with have hands-on experience with various database technologies.
Prerequisites: MGIS 3351 with a "C" or better.

MGIS 4900. Mgmt Info System Internships. 0-0-3 Units.

Provides students with on-site work experience in Management Information Systems through a coordinated academic internship with a pre-approved employer. A portfolio chronicling the work experience, a project relating relevant academic literature to the Information Systems internship experience, and a final presentation encompassing the entire internship experience are required to receive academic credit. By permission of the Internship Coordinator.(F,S)
Prerequisites: MGIS 3351 (Grade of "B" or Better), plus an additional 3 credit hours of upper division MGIS, and 3 credit hours of any upper division business course, all with a "C" or better.