Management Information Systems (MIS)

MIS 305. Electronic Commerce. 3 Hours.
A study of the practices and methods used in implementing electronic commerce business solutions. Topics will include logistics and support activities, electronic data interchange, electronic supply chain management, and implementation issues. The auction process and web auction strategies will be discussed. Prerequisite: MIS 360.

MIS 308. Project Management. 3 Hours.
A study of the practices and methods used in managing projects. Project elements such as scheduling, organizing, implementing, control, and assessment will be discussed. The course focuses on using project management techniques appropriate for information systems projects. Prerequisite: MIS 360.

MIS 315. Network Security and Risk Management. 3 Hours.
A study of the practices and methods used to evaluate network security. Topics will include internet standards, cryptography, authentication and the use of firewalls. Regulatory requirements, intelligent agents, and messaging security will be discussed. Prerequisite: MIS 360.

MIS 332. Visual Basic Application Programming with Excel. 3 Hours.
The study of automated worksheets to assist organizational decision-making. Topics include macro programming with VBA, management of multiple worksheets, importing/exporting data, and graphics. Financial, statistical, and database functions are also addressed. Prerequisite: BCIS 1305.

MIS 350. Enterprise Operations Management. 3 Hours.
Study of enterprise operations. Topics include backup strategies, disaster recovery, help desk requirements, and asset management. Students will gain an understanding of how a data center should function in large corporation environments and in small data shops. Planning tools for change control, outage, and the role of a hosted data center will be discussed.

MIS 360. Essentials of Management Information Systems. 3 Hours.
Concepts of information systems management. Emphasis is placed on the theory and practice related to the development and operation of information systems in organizations. Course should be taken during the first year of enrollment.

MIS 362. Systems Analysis and Design. 3 Hours.
Study of the methodology for analysis and design of a business information system. Emphasis on critical analysis of existing systems and design of computer based systems. An actual systems analysis is required. Prerequisite: BCIS 1305.

MIS 366. Fundamentals of Database Systems. 3 Hours.
Concepts of relational data models, query processing, and database design theory. Emphasis on data normalization, structured query language (SQL), and application development. Prerequisite: MIS 360.

MIS 430. Website Development. 3 Hours.
Students utilize coding and Web development tools to create inter-linked Web pages. Prerequisite: Complete one of the following: BCIS 1305, 1401, or COSC 1301.

MIS 450. Principles of Management Information Security. 3 Hours.
Addresses aspects of information security. Topics include implications of databases, telecommunication systems, risk assessment, security policies, remote connections, authentication and prevention systems, foundations of cryptography, physical security issues, and appropriate counter measures. Reading and cases are used to increase depth of content and analytical perspective concerning law and ethics. Prerequisite: MIS 360.

MIS 473. Internetworking Local Area Networks. 3 Hours.
This course should provide a conceptual framework for understanding the structure, function, and performance characteristics of computer networks. The development of network implementation strategies and planning guidelines are also addressed. Fundamentals that define and determine the construction, operation, and maintenance of computer networks are described. Security considerations that appear as networks growing in size and complexity are noted. Important issues and trends impacting the design of computer networks are revealed. Options for expediting effective information delivery are assessed. Applications that alter the way in which information is acquired, stored, and retrieved are explored. Prerequisite: MIS 360.

MIS 489. Individual Study. 3 Hours.
Individual instruction. May be repeated when topics vary.

MIS 528. Emerging Technologies in MIS. 3 Hours.
Examines technologies that have been identified as emerging and addresses their impact on business organizations and individuals in global environment through a study of contemporary literature. Web-based course. Requires PC skills. Prerequisite: MIS 360.

MIS 552. Information Systems Management. 3 Hours.
This course examines the information systems and technology topics that enable managers to make informed decisions regarding the application and implementation of technology in an organization.

MIS 589. Individual Study. 3 Hours.
Individual instruction. May be repeated when topics vary.