



MBA/ Information Systems

MBA students who want to specialize in Information Systems must take additional coursework beyond that required to complete the MBA degree program. Students are required to complete four BCIS courses. One of these courses will serve as the elective in the MBA program.

Required: BCIS 502: Business Information Systems (SPRING semester)

Analysis of information systems as integral parts of business organizations, including the responsibility of management to understand their capabilities and uses in handling the organizations information flow and providing appropriate information for decision making.

Students can choose any 4 of the following courses for the concentration:

BCIS 550: Information Systems Analysis and Design (FALL semester) Information systems development methodologies and the system life cycle. Justifying and managing systems development projects. Taught with [BCIS 350](#) with differentiated assignments for graduate students.

BCIS 561: Business Analytics I (FALL semester)

This course provides an understanding of how organizations can utilize technology to successfully collect, organize, manipulate, use, and present data. The course blends the use of current technology with the managerial practices involving business analytics. The emphasis of the course will be on data management practices and the production of descriptive analytics. Not open to students who have taken [BCIS 461](#). Taught with [BCIS 461](#) with differentiated assignments for graduate students. No S/U or audit option. Cross-listed with: [BCIS 461](#). Prerequisite(s): [BCIS 338](#) or consent of instructor.

BCIS 566: Business Analytics II (SPRING semester)

This course provides an understanding of how organizations can build and test predictive models, utilizing business-related data to estimate model parameters. The emphasis of the course will be on utilizing data management systems to produce useful predictive analytics. Not open to students who have taken [BCIS 466](#). Taught with [BCIS 466](#) with differentiated assignments for graduate students. No S/U or audit option. Cross-listed with: [BCIS 466](#). Prerequisite(s): [BCIS 461](#) or consent of the instructor.

BCIS 575: Database Management Systems (SPRING semester)

Design, development, and use of database management systems in the business environment. Taught with [BCIS 475](#) with differentiated assignments for graduate students. Consent of Instructor required.

BCIS 580: E-Commerce Security (SPRING semester)

Introduction to securing network-based applications from both internal and external threats. Fundamentals of network security including TCP/IP, firewalls, intrusion detection and vulnerability discussed. Not open to students who have taken [BCIS 480](#). Taught with [BCIS 480](#) with differentiated assignments for graduate students. No S/U or audit option. Prerequisite(s): C- or better in BCIS 460 or consent of instructor.

BCIS 582: Management of Information Security (FALL semester)

Provides management overview of information security and thorough examination of administration of information security. Surveys field of information security including planning, policy and programs, protection and people relative to information security. Taught with [BCIS 482](#) with differentiated assignments for graduate students. Prerequisite(s): [BCIS 1110](#) or equivalent.