IS-Information Systems Courses

Courses

IS 204. Introduction to Business Programming. 3 Hours.
An introductory course addressing the concepts, structures, and use of an event-driven programming language to implement business solutions. Emphasis is placed on developing general problem-solving strategies and implementing solutions through algorithm development.
Prerequisites: MA 105 [Min Grade: C]

IS 301. Introduction to Database Management Systems. 3 Hours.
An introductory course on database management systems. Emphasis is placed on providing students with the fundamental knowledge necessary to model business data needs, design logical data models, and design, implement, and use of a physical database in application development.
Prerequisites: IS 321 [Min Grade: C]

IS 302. Business Data Communications. 3 Hours.
A study of data communications technologies used for business. The technologies include local and wide area networks, as well as telephony. Network management and security are also emphasized.

IS 303. Information Systems. 3 Hours.
A survey course covering the theory and application of management information systems in business environments. Includes planning, development and implementation of business strategies that leverage information systems for competitive advantage.

IS 321. Systems Analysis. 3 Hours.
Focuses on the planning, decision making tasks and requisite skills necessary for the analysis of information systems.

IS 418. Applied Data Science for Information Systems. 3 Hours.
A course in Business Analytics focusing on the extraction and preparation of data for analysis, applying analysis methods, and reporting analysis results. Students will also examine issues related to data stewardship and provenance.
Prerequisites: GPAO 2.00

IS 464. IS Internship. 1-3 Hour.
Work experience enabling students to better integrate academic knowledge with practical applications by exposure to information systems and the business environment. 2.0 GPA in IS courses and permission of instructor required. Must be an Information Systems major. Sponsoring business may require additional courses.
Prerequisites: GPAO 2.00

IS 491. Current Topics in Information Systems. 3 Hours.
A study of selected current developments in information systems emphasizing development and managerial implications. Permission of instructor required.

IS 499. Directed Readings. 1-3 Hour.
Readings and independent study in selected areas.