INFORMATION SYSTEMS MANAGEMENT (ISM)

**ISM:201 Introduction to E-Business (3 Credits)**
Prerequisite: 24 credits. Provides a broad overview of e-business strategies, products and technologies. Discusses transformation of marketing, production and other business functions; and related legal, political, ethical and cultural issues. (Formerly 6100:201)

**ISM:310 Business Information Systems (3 Credits)**
Prerequisites: Completion of 48 credit hours and [ACCT 250 or admission to the Computer Science major]. Provides a technical and organizational foundation for understanding the use and importance of information systems and information technology in today's business environment. (Formerly 6500:310)

**ISM:315 Applications Development for Business Processes (3 Credits)**
Prerequisites: ACCT 250 and 48 completed hours. Analysis and automation of business operations and processes. Development of applications based on a simulated enterprise-wide database. (Formerly 6500:315)

**ISM:324 Database Management for Information Systems (3 Credits)**
Prerequisites: ACCT 250 and 48 completed hours. An introduction to database design and management, including data modeling, relational theory, Structured Query Language, and database applications, development, using database management systems. (Formerly 6500:324)

**ISM:325 Systems, Analysis, & Design (3 Credits)**
Prerequisites: ISM 315. An introduction to the techniques of business modeling, systems design, and implementation, including the application of software engineering tools in support of modeling and code generation. (Formerly 6500:325)

**ISM:420 Data Networks and Security (3 Credits)**
Prerequisites: Must be admitted to a major in a four-year degree granting college, ISM 310, and upper level standing. Principles of the design and management of data networks for business communications. (Formerly 6500:420)

**ISM:425 Decision Support with Data Warehousing & Data Mining (3 Credits)**
Prerequisites: Must be admitted to a major in a 4-year degree granting college, ISM 324, and MGMT 305. Examines managerial and technical aspects of business decision-making based on the use of data warehouses, on-line analytical processing (OLAP) and data mining. (Formerly 6500:425)

**ISM:426 E-Business Application Development (3 Credits)**
Prerequisites: Must be admitted to a major in a 4-year degree granting college, ACCT 250, and upper level standing. Students will gain an understanding of issues and skills related to web application design and development. (Formerly 6500:426)

**ISM:427 Systems Integration (3 Credits)**
Prerequisites: Must be admitted to a major in a 4-year degree granting college and ISM 315. The course provides an understanding of issues and underlying application integration. Topics include coverage of middleware technologies, B2B standards and XML. (Formerly 6500:427)

**ISM:428 Systems Development Project (3 Credits)**
Prerequisites: ISM 324 and ISM 325. Pre/Corequisite: ISM 427. Implementing business objects and use cases in projects. Object persistence, object collaboration, and controller and UI designs are discussed. (Formerly 6500:428)

**ISM:488 Internship in Information Systems (3 Credits)**
Prerequisite: Permission of department chair or designated faculty member. On the job experience with public or private sector organizations. (Formerly 6500:488)