CIS - COMPUTER INFO SYSTEMS (CIS)

*Course Fees are Per Credit Hour

CIS 615. Software Engineering for the Enterprise. (3 Credits)
This course investigates current software engineering practices in the context of enterprise system development. The student will learn how to leverage tools and management techniques in order to minimize risk and increase the probability of success of information system projects. Recommended: CIS 622 or equivalent or programming experience or coursework. (Spring)
Course Fees: $105

CIS 622. Systems Analysis and Design. (3 Credits)
This course focuses on design strategies for information systems in organizations and the associated project management knowledge areas facilitating their development and deployment to support enhanced managerial decision making. These knowledge areas apply directly to the strategic direction of the firm. Course topics address a global business environment and include systems development, methodologies, software sources, information requirements determination and structuring processes, information systems project management, database design, and systems implementation strategies. Prerequisite: MBA 601. (Spring)
Course Fees: $105

CIS 625. Enterprise Systems Analysis and Design. (3 Credits)
This course focuses on the study of analysis and design of mission critical business information systems. Course topics include the systems development life cycle with an emphasis on the analysis phase, feasibility studies, development of logical system models, and the roles of project management and Enterprise Resources Planning (ERP) systems. Prerequisite: CIS 125 or equivalent or MG 600 or MBA 601. (Offered upon sufficient demand)
Course Fees: $105

CIS 627. Research and Report Writing. (3 Credits)
A critical review of research methods in the business disciplines. Subjects discussed include nature and sources of secondary data, primary data collection techniques, research design, sample selection, and/or model building. Further, students will explore and prepare various accounting, financial, and general business forms, statements, and reports applicable to business research. Also listed as EC 627, FI 627, MG 627, and MK 627 but creditable only in field for which registered. Prerequisite: MBA 601. (Offered upon sufficient demand)
Course Fees: $105

CIS 636. Information Systems Management. (3 Credits)
This course addresses issues related to information systems (IS) management for current and future IS managers and corporate executives. It focuses on management's role in planning, designing, implementing, and controlling IS. Topics include the role and organization of the IS function in the firm, recent technological advances in hardware and software, the implementation of ERP systems, end-user computing, telecommunications, management of systems projects, strategic planning for IS, the use of information for competitive advantage, and the challenges facing today's managers in aligning IS with business strategy and infrastructure. The role of social, environmental, ethical and global issues in IS strategy, planning, management, and success will also be addressed. Prerequisite: MBA 601. (Fall)
Course Fees: $105

CIS 644. Business Process Integration with ERP Systems. (3 Credits)
This course covers business process integration theory and practice and introduces enterprise resource planning (ERP) systems. Through hands-on exercises and case studies, this course explains and illustrates how fundamental business processes interact with ERP in all the major functional areas of the organization. Prerequisite: MBA 601. (Spring)
Course Fees: $105

CIS 645. Database Management Systems. (3 Credits)
This course addresses the design, implementation and management of business databases. Topics include logical and physical database design, relational database systems, structured query language (SQL), transaction management, database administration, web database applications, big data, and the role of databases in ERP systems. Prerequisite: CIS 622 or 670. (Spring)
Course Fees: $105

CIS 651. Special Topics. (1-3 Credits)
N/A (Offered upon sufficient demand)
Course Fees: $105

CIS 652. Special Topics. (1-3 Credits)
N/A (Offered upon sufficient demand)
Course Fees: $105

CIS 660. Electronic Commerce. (3 Credits)
This course aims to equip students with the necessary knowledge to explore electronic commerce opportunities or develop and manage electronic commerce applications in a global environment. Topics include Internet technologies, the World Wide Web, ERP, e-commerce models and related business issues, and the various challenges faced by e-businesses, including information security and privacy. Prerequisite: CIS 622 or CIS 670. (Fall)
Course Fees: $105

CIS 670. Contemporary Information Systems and Digital Innovation. (2 Credits)
A survey of organizational information systems from a managerial perspective, including global and socio-technical considerations. Students examine the role of information systems in supporting business processes, decision-making, and strategic planning. Emphasis is placed on evaluating and applying emerging technologies to develop business solutions, assess organizational impact, and inform managerial decision-making. Students will utilize contemporary tools to analyze problems and prototype solutions. Prerequisite: MBA 601 or AC 600. (Fall, Spring, Summer)
Course Fees: $105

CIS 680. International Experience/Internship. (3 Credits)
Study abroad experience to include structured group visits to businesses and business centers; lectures delivered by managers involved in international trade, internship experiences, and/or structured participation in a university sponsored academic program. Also listed as AC 680, EC 680, FI 680, MG 680, and MK 680 but creditable only in the field which registered. Prerequisite: approval of the department chair and internship coordinator. (Offered on sufficient demand).
Course Fees: $105

CIS 685. Data Communications Systems in the Global Economy. (3 Credits)
A survey of modern telecommunications systems and their application to local and global business data communications problems. Includes study of the theoretical constructs of networks, examination of extant networking models, and issues of transmission speed, privacy, security, functionality, interoperability, reliability, and management. Coverage will include intranets, extranets, internets, virtual private networks, and local area networks. Prerequisite: CIS 622 or CIS 670. (Offered upon sufficient demand)
Course Fees: $105

CIS 698. Independent Study/Research. (1-3 Credits)
Guided independent study and/or research in an area related to computer information systems. Prerequisite: approval of the department chair. (Offered on sufficient demand).
Course Fees: $105